

20010713.qrp v02_n249.qrl.20010713

Date: Fri, 13 Jul 2001 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2249

QRP-L Digest 2249

Topics covered in this issue include:

- 1) [102408] Re: I am sorry
by Pete Burbank <plburbank@kih.net>
- 2) [102409] Re: I am sorry
by alan.kaul@att.net
- 3) [102410] capacitors in series
by anthony@pacinfosb.com
- 4) [102411] RE: Noise Figure to nV/SqrtHz Conversion
by Pete Burbank <plburbank@kih.net>
- 5) [102412] Antenna Question
by N1EU <n1eu@yahoo.com>
- 6) [102413] RE: Need antenna guru help - thanks and status
by "James R. Duffey" <jamesd1@flash.net>
- 7) [102414] QRP Full Gallon?
by Lourette <lourette@localnet.com>
- 8) [102415] Re: Noise Figure to nV/SqrtHz Conversion
by "James R. Duffey" <jamesd1@flash.net>
- 9) [102416] Re: Please don't keep changing the subject folks
by "John A. Evans - N0HJ" <jaevans@codenet.net>
- 10) [102417] Small Wonder Labs SW40+ Coarse tuning
by Lourette <lourette@localnet.com>
- 11) [102418] Re: Noise Figure to nV/SqrtHz Conversion
by "George, W5YR" <w5yr@att.net>
- 12) [102419] The Radio Shack DSP
by "James R. Duffey" <jamesd1@flash.net>
- 13) [102420] Re: QRP Full Gallon?
by "George Heron N2APB" <n2apb@erols.com>
- 14) [102421] PJ2/N8BJQ on 7.008 @ 0218Z
by David Gauding <david.gauding@bbs.galilei.com>
- 15) [102422] Bob N6WG FOX Spot
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [102423] FOX NW7DX spot on 14.054.83
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [102424] Morse Code Reader?
by "Dennis Payton" <dpayton@fwi.com>
- 18) [102425] Portable Antenna Question
by Radioham <radioham@home.com>
- 19) [102426] Re: What Level of Receiver Performance is Required?

by "Henry Knoll" <knoll1003@tc.umn.edu>
20) [102427] Re: Morse Code Reader?
by "George, W5YR" <w5yr@att.net>
21) [102428] Re: QRP Full Gallon? (amp kits gone)
by "George Heron N2APB" <n2apb@erols.com>
22) [102429] Re: What Level of Receiver Performance is Required?
by "George, W5YR" <w5yr@att.net>
23) [102430] N6WG ????
by KB7WW Art Moe <kb7ww@uswest.net>
24) [102431] Re: Noise Figure to nV/SqrtHz Conversion?
by Wes Hayward <w7zoi@easystreet.com>
25) [102432] FOX: NW7DX caught the AF4PS SBTA (sad but temporary antler).
by Macstein@aol.com
26) [102433] Re: N6WG ????
by Bob Nielsen <nielsen@oz.net>
27) [102434] FOX - Patience Pays...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
28) [102435] I Been Heard!!!!
by G Brandon Hoyt <preacher102677@juno.com>
29) [102436] Re: N6WG ????
by Bob Nielsen <nielsen@oz.net>
30) [102437] [FOX] The quick brown fox...ii.
by Tom Russo <russo@bogoflux.losalamos.nm.us>
31) [102438] dsp program
by "Randall M. Payne" <payner1@strato.net>
32) [102439] Re: I Have a Better Idea
by "Randall Jouett" <rules@bellsouth.net>
33) [102440] QRP QUARTERY BACK ISSUES SPECIAL
by George Gingell <k3tks@u1.abs.net>
34) [102441] RE: 2M QRP rig Design
by "KD4W0V Tom Tishken" <kd4wov@earthlink.net>
35) [102442] Re: My Apology to EE's
by "Adrian Weiss" <aweiss@usd.edu>
36) [102443] Thanks for the antenna help
by <igeq100@iupui.edu>
37) [102444] Setting lower band edge on SW30+ or MH101 Project
by NB6M@aol.com
38) [102445] Wake Up QRP-L Manager!!!
by "Adrian Weiss" <aweiss@usd.edu>
39) [102446] Re: Thanks for the antenna help
by "George, W5YR" <w5yr@att.net>
40) [102447] Re:QRP Full Gallon?
by NB6M@aol.com
41) [102448] Re: My Apology to EE's
by "George, W5YR" <w5yr@att.net>
42) [102449] Re: Alright Already!
by "Adrian Weiss" <aweiss@usd.edu>
43) [102450] Re: Wake Up QRP-L Manager!!!

by "Randall Jouett" <rules@bellsouth.net>

44) [102451] RE Noise Figure to nV/SqrtHz Conversion
by "Patrick Cummins" <pcummins@misnet.com>

45) [102452] Re: QRP Full Gallon?
by "Glenn Maclean" <wa7spy@home.com>

46) [102453] Fox- NW7DX fox report w/ log
by BenNW7DX@aol.com

47) [102454] RE: I Have a Better Idea
by tf3vst@vortex.is (Villi Idunni)

48) [102455] Re: Wake Up...
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>

49) [102456] A pearl
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>

50) [102457] Unsubscribe info?
by "Mike D." <hrg@cifnet.com>

51) [102458] Re:QRP Full Gallon?
by "Dave Benson" <nn1g@earthlink.net>

52) [102459] SAMS Atomic Clock
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>

53) [102460] Re: Wake Up QRP-L Manager!!!
by Michael Neverdosky <michaeln@cfl.rr.com>

54) [102461] Weakest Link
by n2go@arrl.net

55) [102462] Re: Alright Already!
by "Mike Yetsko" <myetsko@insydesw.com>

56) [102463] Re:%206%20meters%20on%20the%20Sierra?
by WY1W@aol.com

57) [102464] Re: QRP Full Gallon?
by lenny wintfeld <w2bvh@home.com>

58) [102465] Re: Noise Figure to nV/SqrtHz Conversion?
by "Lau, Zack, W1VT" <zlau@arrl.org>

59) [102466] Re: [qrparci] QRP QUARTERY BACK ISSUES SPECIAL
by Jim Stafford <w4qo@amsat.org>

60) [102467] Re Apalogies
by Joseph Mikuckis <k3chp@erols.com>

61) [102468] Re: antenna help -another source
by "ss lyon" <sslyon@megalink.net>

62) [102469] PSPICE Webpage
by "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>

63) [102470] Re: [102276] Possible Loop ant and LDG Z-11 QRP Auto Tuner
by Dan Halbert <halbert@bbn.com>

64) [102471] Looking for a design for an absolute-reading SWR meter for portable use
by "David Ek" <ekdave@earthlink.net>

65) [102472] Re: Horizontal Loop length...
by "ss lyon" <sslyon@megalink.net>

66) [102473] Re: Wake Up QRP-L Manager!!!
by W2BJ <barry@minsky.org>

67) [102474] Rotating horizontal loops (Re: Horizontal Loop length...)
by "Kevin Anderson" <k9iua@juno.com>

68) [102475] Re: Horizontal Loop length...
by "Mike Yetsko" <myetsko@insydesw.com>

69) [102476] Re: Looking for a design for an absolute-reading SWR meter for
portable use
by "Cla KA0GKC" <ka0gkc@arrl.net>

70) [102477] Re: Small Wonder Labs SW40+ Coarse tuning
by "tbowman@nbn.net" <tbowman@nbn.net>

71) [102478] KI6DS Road Trip
by "ki6ds" <ki6ds@dospalos.org>

72) [102479] Re: Unsubscribe info?
by John Wagner <john@neknetwork.com>

73) [102480] Re: Fox- NW7DX fox report w/ log
by John Wagner <john@neknetwork.com>

74) [102481] Re: Rotating horizontal loops
by "ss lyon" <sslyon@megalink.net>

75) [102482] Re: Unsubscribe info?
by "Kevin Anderson" <k9iua@juno.com>

76) [102483] Laptop?
by n2go@arrl.net

77) [102484] SuperFest 2001--FINAL REMINDER--
by "Rod Cerkoney, N0RC" <rod@n0rc.com>

78) [102485] Re: Wake Up QRP-L Manager!!!
by "Dennis Morales" <dennismo2@home.com>

79) [102486] OT - MMana
by =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <JOCSAN@chab.minbas.cu>

80) [102487] Re:MH101: Aligning the SW-30+
by NB6M@aol.com

81) [102488] RE: Laptop?
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>

82) [102489] Re: List Manager
by Bob Kellogg <ae4ic@nr.infi.net>

83) [102490] Re: Noise Figure to nV/SqrtHz Conversion?
by Wes Hayward <w7zoi@easystreet.com>

84) [102491] Re: Looking for a design for an absolute-reading SWR meter for
portable
use
by Wes Hayward <w7zoi@easystreet.com>

85) [102492] Re: List Manager
by "Bob Hightower" <nk7m@extremezone.com>

86) [102493] FS: Sierra
by Gary Slagel <gdslagel@yahoo.com>

87) [102494] Re: Unsubscribe info?
by "Graeme Zimmer" <gzimmer@optushome.com.au>

88) [102495] rig blaster
by DENNIS SMITH <ne4o@swbell.net>

89) [102496] Re: Unsubscribe info?

by John Wagner <john@neknetwork.com>
90) [102497] Re: Unsubscribe info?
by Mike <mmorrow@companet.net>
91) [102498] Re: Unsubscribe info?
by John Wagner <john@neknetwork.com>
92) [102499] WTB: Rotary Attenuator, 10 dB steps
by "Ed Manuel (N5EM)" <n5em@flash.net>
93) [102500] Re: List Manager
by Mark R Milburn <mark.milburn@juno.com>
94) [102501] Re: List Manager
by Jim Lowman <jmlowman@ix.netcom.com>
95) [102502] A Randy Jouett Sampler ...
by Nick Kennedy <nkennedy@tcainternet.com>
96) [102503] Re: A Randy Jouett Sampler ...
by "N7SG K7FD" <k7fd@hotmail.com>
97) [102504] My one and only comment on the flap
by dmaliniak@penton.com
98) [102505] This Is Insane
by Brian Short <k7on@earthlink.net>
99) [102506] Moderation
by Jim - qrp/cw <kw3u@warwick.net>
100) [102507] Fwd: FS: Sierra
by Gary Slagel <gdslagel@yahoo.com>
101) [102508] Re: List Manager
by Bruce Muscolino <w6toy@erols.com>
102) [102509] SATIRE: Rolling it out again (QRP-L Pie)
by "Paul R. Valko" <prvalko@oakland.edu>
103) [102510] Re: List Manager
by John Wagner <john@neknetwork.com>
104) [102511] Filters do work very well on QRP-L
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
105) [102512] Re: Looking for a design for an absolute-reading SWR meter for p
by "Steven Weber" <kd1jv@moose.ncia.net>
106) [102513] Phase noise DDS Vs. Analog VFO
by "Trevor Jacobs" <fxtech@earthlink.net>
107) [102514] FW: Noise Figure to nV/SqrtHz Conversion?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
108) [102515] Re: Looking for a design for an absolute-reading SWR meter for
portable use
by Beth Gardner / Dan Maguire <BethDan@pacbell.net>
109) [102516] Re: List Manager
by "Rod Cerkoney, NØRC" <rod@nØrc.com>
110) [102517] Use Peer Pressure
by "Terry Bassett" <mutabut@net66.com>
111) [102518] Re: A Randy Jouett Sampler ...
by "ZOOM" <kandrparker@sympatico.ca>
112) [102519] Re: Phase noise DDS Vs. Analog VFO
by "ZOOM" <kandrparker@sympatico.ca>

- 113) [102520] Re: Filters do work very well on QRP-L
by Jim Lowman <jmlowman@ix.netcom.com>
- 114) [102521] Re: OT - MMana
by "Bill Jones" <kd7s@psnw.com>
- 115) [102522] Re: Phase noise DDS Vs. Analog VFO
by "Karl F. Larsen" <k5di@zianet.com>
- 116) [102523] Kool K1/KBT1
by "N7SG K7FD" <k7fd@hotmail.com>
- 117) [102524] SUMMARY: Re: Fixing A Messed up R8 Antenna
by Stephan Greene <sgreene@patriot.net>
- 118) [102525] Re: QRP Full Gallon?
by "Karl F. Larsen" <k5di@zianet.com>
- 119) [102526] Re: This Is Insane
by "Pastor-KC1DI" <elbc@pivot.net>
- 120) [102527] Re: Phase noise DDS Vs. Analog VFO
by "Leon Heller" <leon_heller@hotmail.com>
- 121) [102528] MFJ Cub
by "Pete Milsom" <pete.milsom@virgin.net>
- 122) [102529] LMX2305 prototyping adapter
by "Leon Heller" <leon_heller@hotmail.com>
- 123) [102530] Re: The Radio Shack DSP
by Cameron Bailey <kt3a@juno.com>
- 124) [102531] Re: OT - MMana
by Beth Gardner / Dan Maguire <BethDan@pacbell.net>
- 125) [102532] #59 9G1MR.....700 MW !!!!
by "George Osier" <gosier@twcny.rr.com>
- 126) [102533] Re: OT - MMana
by "George, W5YR" <w5yr@att.net>
- 127) [102534] Re: Kool K1/KBT1
by "N7SG K7FD" <k7fd@hotmail.com>
- 128) [102535] Re: OT - MMana
by "Steven Weber" <kd1jv@moose.ncia.net>
- 129) [102536] Re: Phase noise DDS Vs. Analog VFO
by "Steven Weber" <kd1jv@moose.ncia.net>

Date: Thu, 12 Jul 2001 19:51:01 -0400
From: Pete Burbank <plburbank@kih.net>
To: alan.kaul@att.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102408] Re: I am sorry
Message-ID: <5.0.2.1.0.20010712194604.00a95df0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:03 PM 7/12/2001 +0000, alan.kaul@att.net wrote:

>I am sorry

> ...

> 3) and that the list manager didn't suspend
> everyone's list-posting-privileges for 72-hours or so,
> because the penalty for violation of unwritten rules on
> an unmoderated list ought to be suspension of list
> privileges for everyone ... call it a three-day cooling
> off period!

>

> 72/73 de alan

Wow! Sounds like boot camp! One guy screws up and everybody does 9000
pushups.

NV4V

Date: Thu, 12 Jul 2001 23:52:15 +0000
From: alan.kaul@att.net
To: Pete Burbank <plburbank@kih.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102409] Re: I am sorry
Message-ID:
<20010712235215.BZCQ2154.mtiwmhc26.worldnet.att.net@webmail.worldnet.att.net>

Pete wrote:

<<< Wow! Sounds like boot camp! One guy screws up and
everybody does 9000 pushups. NV4V>>>

I was thinking more like 10,000

Do I hear 11?

--

Alan Kaul W6RCL e-mail: w6rcl@amsat.org
<http://worldnet.att.net/~alan.kaul/index.html>

> At 10:03 PM 7/12/2001 +0000, alan.kaul@att.net wrote:

> > I am sorry

> >

> > 3) and that the list manager didn't suspend

> > everyone's list-posting-privileges for 72-hours or so,

> > because the penalty for violation of unwritten rules on

> > an unmoderated list ought to be suspension of list

> > privileges for everyone ... call it a three-day cooling

> > off period!

> >

> > 72/73 de alan

> Wow! Sounds like boot camp! One guy screws up and everybody does 9000

> pushups.

> NV4V
>

Date: Thu, 12 Jul 2001 16:43:29 -0800
From: anthony@pacinfosb.com
To: qrp-1@lehigh.edu
Subject: [102410] capacitors in series
Message-ID: <Chameleon.994982401.Anthony@PID038>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Hi Guys (and Women),

"Wait a minute Ingo. The voltage will divide equally across the 2 caps in series if they have the same capacitance value. So on the surface, no voltage dividing network ("bleeder") is required. But can you count on the actual value of tantalum caps to be sufficiently close to the marked value so that this assumption is safe ?"

The issue here is not the voltage across the capacitors due to the capacitance, but rather the voltage across the capacitors due to the leakage resistance of the capacitors. With ideal capacitors with no leakage the voltage across each is determined from the voltage divider formula as outlined in the post. However, all real capacitors have a leakage resistance which is poorly specified and changes with age, temperature, etc. So it is possible to have a capacitor with, say, 100 megohms of leakage, which sounds pretty good. If that cap is put in series with one of equal capacitance but with a leakage five times lower or higher, which is not out of the question, then the voltage across one cap will be five times that across the other cap. This is why in power supply designs you always see equalizer resistors across electrolytics in series. Now it remains to be determined if it is really worth doing this with small tantalum caps. The leakage of this type is much less than that of the aluminum electrolytics used in power supplies, but the same effects exist. It may take a while due to the long value of RC, but if the leakage resistances of the two caps are wildly different, you will eventually end up with wildly different voltages across them.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Thu, 12 Jul 2001 20:29:13 -0400
From: Pete Burbank <plburbank@kih.net>
To: pcummins@misnet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102411] RE: Noise Figure to nV/SqrtHz Conversion
Message-ID: <5.0.2.1.0.20010712202021.00a9dec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>f you cannot obtain a copy of AN 57-1, I do have one and am willing to
>lend it to you. To do that please contact me off list. The note is about 40
>pages long, and I am not sure about copyright protection so I don't want to
>copy it, but will lend it to you.

>
>Patrick S. Cummins W5PSC
>pcummins@misnet.com

Patrick,

I recently did a search on the copyright laws and there is a provision
allowing copy for

"Fair use" meaning one copy for personal, research, or scholarship use.

Hopefully others (such as Skip ...a writer) can shed more light on this.

73 /72 to all

Pete NV4V KY

Date: Thu, 12 Jul 2001 17:42:06 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [102412] Antenna Question
Message-ID: <20010713004206.56448.qmail@web14607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Was wondering if anyone has tried feeding a 20M quad
loop with 33ft of balanced feedline and using it on
40M (or 15M) as well? Moxon describes it as a
multiband antenna. Thought it might make a decent
field antenna.

Appreciate any comments from folks who have actually
tried it on.

Tnx/73,
Barry N1EU

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Thu, 12 Jul 2001 18:56:54 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <pcummins@misnet.com>
Subject: [102413] RE: Need antenna guru help - thanks and status
Message-ID: <B773A376.B402%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Patrick - I missed replying to your earlier post requesting guidance in selecting a book to help with your antenna experimentation.

I suggest "The Antenna Experimenters Guide" by Peter Dodd, G3LDO. ISBN 1-872309-36-4. I think it is available from the ARRL, or with the ISBN number most good bookstores should be able to order it for you.

Over half the book is concerned with measurement techniques. There is really no equivalent ARRL book. I recommend it highly. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 12 Jul 2001 21:29:12 -0400
From: Lourette <lourette@localnet.com>
To: qrp-1@Lehigh.EDU
Subject: [102414] QRP Full Gallon?
Message-ID: <3.0.5.32.20010712212912.00822870@localnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an Small Wonder Labs SW40+ Tranceiver and was wondering if other QRP'ers bother with boosting their power to 5 watts? I know there are a lot of you who get a kick out of milliwatt.

I actually enjoy building stuff and was thinking about the 5Watt RF amp in W1FB's QRP Notebook.

I am interested in your thoughts. Please respond to the list only.

Thanks.

Rich

--

Richard Lourette
AB2MD
lourette@localnet.com

Date: Thu, 12 Jul 2001 19:31:02 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <Dan.Tayloe@motorola.com>
Subject: [102415] Re: Noise Figure to nV/SqrtHz Conversion
Message-ID: <B773AB76.B403%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Dan - There is really no direct conversion from nV/SqrtHz to Noise figure. The first is a noise spectral density and the second is a ratio of how much noise a device has compared to a 50 Ohm resistor at the same temperature.

Here is how I would go from nV/sqrt Hz to noise figure in dB.

1. Integrate the spectral density (nV/SQRTHz) over the bandwidth of interest.
2. Square and divide by the equivalent resistance to get a noise power.
3. Convert that to dBm (decibels relative to 1 milliwatt)
4. Calculate (in dBm) the thermal noise power in a 50 Ohm resistor in the same bandwidth and temperature
5. Subtract 4 from 2 to get a noise figure in dB.

I think that this is more or less correct, if not rigorous. If it is wrong I am sure that somebody will correct me.

As to good low noise transistors for HF, try;

1. For JFETs the U310 and J310.

2. For Bipolars, the MRF 904, 2N5109, and 2N5179

3. For dual gate MOSFETs, 3SK48 and 3SK51

These devices should yield a noise figure of 1.5 dB or better. This should be satisfactory for most RF amplifier applications.

A few years back I remember that Zack Lau was looking for suggestions of low noise HF transistors for very low noise IF amplifier applications. Maybe he can share with us what he learned.

If you want a better treatment of noise and receiver design issues than you get in the ARRL Handbook, check out "Introduction to Radio Frequency Design" by Wesayward, W7ZOI, ISBN0-87259-492-0.

I hope that I have not further muddied the waters. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 12 Jul 2001 19:33:49 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102416] Re: Please don't keep changing the subject folks
Message-ID: <3B4E4FFD.AB7F3307@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What is this store called Radio Shack? that people keep talking about?

72 - john - n0hj

Date: Thu, 12 Jul 2001 21:38:06 -0400
From: Lourette <lourette@localnet.com>
To: qrp-1@Lehigh.EDU

Subject: [102417] Small Wonder Labs SW40+ Coarse tuning
Message-ID: <3.0.5.32.20010712213806.0082d2d0@localnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an Small Wonder Labs SW40+ Tranceiver.

I would like to change which segment (40kHz) of the 40M band I use. I want to do this so I can adjust the band coverage late at night to avoid foreign broadcasts. I wish to coarse adjust the 40k tuning range so that I can have it from 7100-7140 early eves and move to say 7020-7060 later.

What do you think the best way to accomplish this would be? I was thinking a 150pf variable capacitor in place of C7 (for those familiar with the design)?

Dave Benson of Small Wonder Labs responded to my inquiry with:

> That'll work fine. If you just want to move between those two specific segments,
> you can switch a fixed capacitor in or out in parallel with C7.
>
> 73- Dave
>

I am also interested in your thoughts. Please respond to the list only.

Thanks.

Rich

--
Richard Lourette
AB2MD
lourette@localnet.com

Date: Thu, 12 Jul 2001 20:40:54 -0500
From: "George, W5YR" <w5yr@att.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102418] Re: Noise Figure to nV/SqrtHz Conversion
Message-ID: <3B4E51A6.57312C11@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, I would add only that in the event of a non-uniform ("white") noise

spectrum, the integration should incorporate exact spectral limits in your Step 1. I posted earlier on this topic.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"James R. Duffey" wrote:

>
> Dan - There is really no direct conversion from nV/SqrtHz to Noise figure.
> The first is a noise spectral density and the second is a ratio of how much
> noise a device has compared to a 50 Ohm resistor at the same temperature.
>
> Here is how I would go from nV/sqrt Hz to noise figure in dB.
>
> 1. Integrate the spectral density (nV/SQRTHz) over the bandwidth of
> interest.
>
> 2. Square and divide by the equivalent resistance to get a noise power.
>
> 3. Convert that to dBm (decibels relative to 1 milliwatt)
>
> 4. Calculate (in dBm) the thermal noise power in a 50 Ohm resistor in the
> same bandwidth and temperature
>
> 5. Subtract 4 from 2 to get a noise figure in dB.
>
> I think that this is more or less correct, if not rigorous. If it is wrong I
> am sure that somebody will correct me.
>
> As to good low noise transistors for HF, try;
>
> 1. For JFETs the U310 and J310.
>
> 2. For Bipolars, the MRF 904, 2N5109, and 2N5179
>
> 3. For dual gate MOSFETs, 3SK48 and 3SK51
>
> These devices should yield a noise figure of 1.5 dB or better. This should
> be satisfactory for most RF amplifier applications.
>
> A few years back I remember that Zack Lau was looking for suggestions of low
> noise HF transistors for very low noise IF amplifier applications. Maybe he
> can share with us what he learned.
>

> If you want a better treatment of noise and receiver design issues than you
> get in the ARRL Handbook, check out "Introduction to Radio Frequency Design"
> by Wesayward, W7ZOI, ISBN0-87259-492-0.
>
> I hope that I have not further muddled the waters. - Dr. Megacycle KK6MC/5
>
>
> --
> James R. Duffey KK6MC/5
> 30 Casa Loma Road
> Cedar Crest, NM 87008

Date: Thu, 12 Jul 2001 19:53:02 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [102419] The Radio Shack DSP
Message-ID: <B773B09E.B405%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Several people have commented on the Radio Shack DSP (no longer made). I thought that I would add my \$0.02 worth.

If you want to find out what DSP is all about, the Radio Shack is a good introduction. It has good SSB and CW filtering, an excellent audio amplifier, and good built in speaker. I think it is good value for the money.

I find only three mentionable faults with the unit:

1. The CW center frequency is fixed at 700 Hz, which is a bit high for my ear. As a result the narrower bandwidths are not too usable for me.
2. The CW note has a slightly raspy quality imparted to it. This is only objectionable if you compare it to a good note.
3. There is no adaptive noise reduction.

These can be had for \$15 to \$25 at most Ham Fests and are good buys at that price.

It is a good choice if you have a rig with no narrow IF filtering. I use it with my HYX-100 and TS9130.

For my comments on other Audio Filters, both analog and DSP, see;

<http://www.qsl.net/kk6mc/>

Yours in moderation - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 12 Jul 2001 22:03:50 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "Low Power Amateur Radio Discussion" <grp-l@lehigh.edu>
Cc: "EPAQRP" <epaqrp-l@lehigh.edu>, "NJQRP" <NJQRP@njqrp.org>
Subject: [102420] Re: QRP Full Gallon?
Message-ID: <003e01c10b40\$137c4bd0\$c9c73ad0@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nothing can beat the thrill of homebrewing from a schematic in a classic book like the W1FB QRP Notebook and the 5W amp you mention is a good one (I've built it a couple of times.)

An alternative is a 2.5W amp we (the NJQRP Club) borrowed with permission one time from Wes Hayward's (W7ZOI) classic "Ugly Weekender". We put this amp in the "Fireball 40" milliwatt transmitter design and offered a parts kit for the amp components.

Well, the FB40 project is long gone but I just found about 10 "bag-o-parts" Amp kits left-over in our NJQRP kitting room. This would be an easy way for one to whip up a 2-stage amp to bring one of the milliwatt projects up to 2-3W or so.

The bag-o-parts kit has all the components (a 2N2222A driver, a 2N3906 keyline switch, a 2N3553 power stage, mag wire, R's & C's, toroid cores, pi-output filter, and QSK diodes & coil), but no pc board of course. You'd have to build it "Manhattan-style, or "ugly", but that's half the fun these days.

As I said, we have 10 of these Amp bag-o-parts kits left, including manual for assembly and thorough circuit description. We sold them before for \$11 each plus postage ... but if anyone is interested, we'll sell the remaining

kits for \$10 and we'll pay for the mailing to you. This helps us clear out inventory and gets you a little amp to give your 40-9er, Pixie, Micronaught, etc transmitters a 13 dB boost!

You can download a PDF version of the manual (including schematic) for this project at <http://www.njqrp.org/fireball40/fb40amp.pdf> .

If interested, send me an email and we'll hold one for your order. You can use PayPal (send to n2apb@amsat.org) or write check/M.O. payable to me and send to George Heron, 2419 Feather Mae Ct, Forest Hill, MD 21050.

Sorry this isn't a large offer like we normally do with these things, but this is the last of a breed. I personally have about 4 of these little amps built up and in use in the shack ... handy to have around to clip onto any new little design I might have going.

73, George N2APB
n2apb@amsat.org
for th NJQRP Club at <http://www.njqrp.org>

=====
I have an Small Wonder Labs SW40+ Tranceiver and was wondering if other QRP'ers bother with boosting their power to 5 watts? I know there are a lot of you who get a kick out of milliwatt.

Thanks.

Rich

Date: Thu, 12 Jul 2001 21:12:44 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [102421] PJ2/N8BJQ on 7.008 @ 0218Z
Message-ID: <5.1.0.14.0.20010712210911.020333c0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

PJ2/N8BJQ on 7.008 @ 0218Z

With 2W from Argo 515 and St. Louis Express Vertical

Short line - no waiting - very strong into Midwest - great ears!

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 12 Jul 2001 22:29:44 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Subject: [102422] Bob N6WG FOX Spot
Message-ID: <200107122230_MC3-D8F8-C37A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Bob N6WG Da FOX is working them right and left at 0200. His transmit frequency is 14.062.52, and he was working 'em *up* a bit at the beginnin=

g.

Go get him, everyone, and GL.

73,
--Doc/K0EVZ

Date: Thu, 12 Jul 2001 22:29:42 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Subject: [102423] FOX NW7DX spot on 14.054.83
Message-ID: <200107122230_MC3-D8F8-C379@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Ben is roaring along as one of the FOXes tonight. He is spot on 14.054.8=

3.

He was working them *up* at 0215. This is a great night for FOX hunting=

. =

Here's hoping everyone will bag him tonight. =

GL and 73,
--Doc/K0EVZ

Date: Thu, 12 Jul 2001 21:36:09 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [102424] Morse Code Reader?
Message-ID: <000501c10b44\$959d9a20\$2aa854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got it in my head that I'd like to get something for my shack that will interpret CW communications for visitors. I see MFJ has the #461 Code Reader, which sounds interesting. Does anybody have a comment about it? Or about anything else?

Thanks,

Denny Payton, N9JXY

Date: Thu, 12 Jul 2001 22:35:29 -0400
From: Radioham <radioham@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102425] Portable Antenna Question
Message-ID: <5.0.2.1.0.20010712223152.009fd010@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone remember the reel type long wire antenna that was sold by one of the QRP clubs a few years ago? It's a very simple design - insulated wire in an orange hand reel with colored markings on the wire for various bands. I have long since lost the data sheet that came with it and wonder if someone has the info for what the colors mean on it. I measured the length of the wire to each markings and am pretty sure I have the solution, but I would like to make sure. Also, what club was that from??

Thanks & 72/73,

Steve, N4EUK
Reston, VA

Date: Thu, 12 Jul 2001 21:42:22
From: "Henry Knoll" <knoll003@tc.umn.edu>
To: qrp-1@lehigh.edu
Subject: [102426] Re: What Level of Receiver Performance is Required?
Message-ID: <iss.168e.3b4e5ffd.c818e.1@aquamarine.tc.umn.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Wed, 11 Jul 2001 James R. Duffey wrote:

<SNIP>

>As usual, the masters come to the rescue. Doug DeMaw and Wes Hayward
>published an article, "Modern Receivers and Transceivers: What Ails Them?"
>in January 1983 QST. In the article they give what they consider necessary
>characteristics that receivers for both casual operating and contesting/DX
>should have. These "DeMaw-Hayward criteria" have helped me understand the
>meaning of receiver performance and what are acceptable numbers for
>receiver performance.

An interesting paragraph in that article says:

"A related deficiency in many receivers is the calibration of the S meter.
It is not uncommon to find high-priced transceivers that show a difference
between a displayed S1 and S9 signal of only 10 dB. The meter readings
then take on greater meaning for stronger signals, although the calibration
is rarely accurate."

Roy Lewallen has been trying to get that through peoples heads for years
and still there are some that insist there is 6 dB between S units. Our
good friend Kurt N. Sterba for one. Seem's times never change.

73

Henry WA0G0Z

Date: Thu, 12 Jul 2001 21:42:07 -0500
From: "George, W5YR" <w5yr@att.net>
To: dpayton@fwi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102427] Re: Morse Code Reader?
Message-ID: <3B4E5FFF.6B0CAF1F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think that it would be much more accurate and certainly more impressive if you just sat at the computer listening to code and typed what was being sent into Notepad or something similar. A lot cheaper, too! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

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> Reader, which sounds interesting. Does anybody have a comment about it? Or
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>
> Thanks,
>
> Denny Payton, N9JXY

Date: Thu, 12 Jul 2001 22:49:17 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPAQRP" <epaqrp-l@lehigh.edu>, "QRP-L" <qrp-l@lehigh.edu>, "NJQRP" <NJQRP@njqrp.org>
Subject: [102428] Re: QRP Full Gallon? (amp kits gone)
Message-ID: <009a01c10b46\$6f850790\$c9c73ad0@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NJQRP amp kits are all spoken for! Wow, that didn't take too long. I'm sorry we don't have more left.

73, George N2APB

=====

[snip]

An alternative is a 2.5W amp we (the NJQRP Club) borrowed with permission one time from Wes Hayward's (W7ZOI) classic "Ugly Weekender". We put this amp in the "Fireball 40" milliwatt transmitter design and offered a parts kit for the amp components.

[snip]

Date: Thu, 12 Jul 2001 22:00:11 -0500
From: "George, W5YR" <w5yr@att.net>
To: knoll003@tc.umn.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102429] Re: What Level of Receiver Performance is Required?
Message-ID: <3B4E643B.1015BF8E@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, Kurt and Reg Fox hold similar views, don't they? This conflict comes out all the time on the rec.radio.amateur.antenna newsgroup discussions.

Perhaps one way out of this seeming endless cycle of contradictions is to consider that it is a perfectly valid definition of "an S unit" to correspond to a change in signal level of 6 db.

What does *not* follow logically or otherwise is that the "S units" of that definition necessarily are the same animals as the "S units" that are displayed on the "S meters" of our rigs. Same name but not necessarily the same animal. Poor choice of terms, but we seem to be stuck with two different things, both called "S units."

One is, by definition, precisely a signal change of 6 db. Thus, an signal change of 6 db can be referred to as a change of one "S unit." The other, by implementation, can range all over the lot.

In the domain of the receiver, "its" S units are what they are, and they are "correct" in that domain. In the domain of the definition and the definer, the "S unit" is a 6-db change, and it is precisely correct there.

Personally, I find it needlessly confusing to have the definition as some

try to make it and realize that seldom if ever is that specific definition actually implemented. But, logically, if someone wants to refer to a 6-db change in signal strength as "one S unit" that seems perfectly correct to me even though no one might have an S meter on their receiver which would show a corresponding reading.

Yes, there is a lot of Lewis Carroll involved in all this! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

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>
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>
> Roy Lewallen has been trying to get that through peoples heads for years
> and still there are some that insist there is 6 dB between S units. Our
> good friend Kurt N. Sterba for one. Seem's times never change.

Date: Thu, 12 Jul 2001 20:14:40 -0700
From: KB7WW Art Moe <kb7ww@uswest.net>
To: qrp <qrp-l@lehigh.edu>
Subject: [102430] N6WG ????
Message-ID: <3B4E67A0.D26946FE@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is Bob still on hearing nothing.

Art
KB7WW

Date: Thu, 12 Jul 2001 20:14:29 -0700
From: Wes Hayward <w7zoi@easystreet.com>
To: qrp-1@Lehigh.EDU
Cc: Dan.Tayloe@motorola.com
Subject: [102431] Re: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <3B4E6795.1E8D0D8@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dan, et al,

Noise figure Vs noise voltage is a subtle problem, one that is central to the all that we do in radio. But there may not be a simple conversion that will provide an answer, for it's one of those apples Vs oranges things. Noise figure is a parameter that we attribute to a network, usually a two-port. Resistance is often part of the network and resistance is used as a means for modeling the noise coming from a two port network. But the network need not be modeled in any detail to still be valid and useful. That is, we can measure a receiver and find a low NF without ever characterizing the input in terms of a resistance.

The key word that we always must keep in mind when dealing with noise problem is "available." kT is the spectral density of available noise power that you can get from a resistance. So, kTB is the noise power available from a resistor, and that's any resistance, be it 50 Ohm, the milliOhms of a piece of wire, or a larger bias resistor. So far as noise is concerned, we can model the resistor as a noise voltage source in series with the resistance. To get the maximum power from this generator we must conjugately match it, so we attach another resistor of the same value and ask for the power delivered to it. This is the "available" power. We don't yet know the strength of the voltage source, but we do know that kT is the available noise power. A run through the algebra produces the usual root $4kTBR$ solution, where B is the bandwidth that we used to observe the noise.

In the case of a signal generator that we attach to the receiver, or network, whatever it might be, the generator has an available signal power as well as an available noise power. The available noise power is that familiar kTB . We also know the available signal power. Indeed, that's how a modern signal generator is calibrated. So, for a given bandwidth, B , we now know an input signal to noise ratio presented to our receiver. These are ratios of power, and more specifically, available power. There's that word again.

Now let's apply this signal generator to a network, perhaps a receiver. Out of it we will get a signal that is louder, and we will also get more noise. We can measure the output voltages to a load, and then calculate

noise power and signal power to the load. So we can form an output signal to noise ratio.

Noise factor is then defined as the input signal to noise ratio divided by the output signal to noise ratio. The SNR actually gets worse as it goes through the network, for the network contributes noise of it's own, but no signal of it's own. (Well, we hope it doesn't.) The dB equivalent of noise factor is the familiar noise figure.

We can do some simple modeling of our network, assuming that it is a perfect amplifier at the input, but preceded by a resistance that has noise. That noise is a generator related to R through that root $4kTBR$ that we saw earlier. We could pick the size of the resistor to provide the needed excess noise power related to the network (receiver), taking care to note that this resistor will deliver some of it's available power to the input load resistance, which will constrain the output noise. But this is not really a very useful number, for the network input resistance we pick to provide the right noise output will not usually also represent the input impedance of the amplifier. We can come a bit closer by picking the resistance to fit input impedance and allowing the resistance to be hotter to get the needed noise voltage. This begins to lead us toward the noise temperature concept, which is a wonderful too.

The more general solution uses an input voltage noise source and an input current noise source. (All of the voltage discussion so far has an exact dual in terms of current.) And this is where we get into that apples Vs oranges like dilemma. A simple resistance model partially works with op-amps, so the analog folks are happy, but it's not as straight forward for the RF community.

The fact that the usual amplifier is not well modeled with a simple, single voltage or current source has another most interesting implication: The best noise figure rarely occurs when the input to the network is conjugately matched. Our old friend, the J310 is a wonderful example. If you bias it for a current of about 10 mA as a common gate amplifier, the input will present a match that is close to $50+j0$ over the HF spectrum. If there is a slight difference, a minimal network at the input will provide a perfect match. The noise figure is then typically around 4 dB, with a transducer gain of around 13 dB or so. But if you take that same amplifier and do a different input match, you will loose a couple of dB of gain, the input match will really be trashed, but you will have a noise figure of 1.5 dB. (I'm quoting measurements I did at 21 MHz and not just hand waving.) And OIP3 is still around +25 dBm or so.

This result with the J310 is pretty repeatable. See the web site of Chip Angle (www.ham-radio.com/n7ca/). He uses the U310, which is

easier to tame, but it the same die. I've been able to get NF below 1 dB at HF with lots of different FETs, including many of the dual gate MOSFETs that we used to use in greater number. Viable alternatives are still available, but usually only in SMT. The common gate JFET is a wonderful choice, for it offers outstanding reverse isolation.

There are numerous bipolar devices that will provide really low noise at HF, particularly when used with feedback. The popular amplifier of Norton is a good example, although there are many other variations that are also of interest. Even without feedback, the large area bipolar devices we often use for high intercepts are often capable of low noise when the right current is picked. A part that is probably no longer available (whoops; that word again) that I always liked was the NEC 2SC1252. While it shines at 50 mA for good IMD, it will hit about 2 dB NF at 10 mA. While I have not looked into any of the details, I bet that almost any of those cheap microwave parts from NEC in the latest Mouser and DigiKey catalogs would be wonderfully quiet at HF and VHF. With F-t of 5 GHz and higher, they require more than casual respect.

While the Handbook may not deal well with NF, the subject is covered in about any of the more technical standard references. I like Gonzalez, "Microwave Transistor Amplifiers, Analysis and Design," Prentice-Hall, 1984. We also tried to discuss noise in both SSD and IRFD, although not in the depth found in current professional literature.

Hope this is of some use.

73, Wes, W7ZOI

Date: Thu, 12 Jul 2001 23:28:07 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com
Subject: [102432] FOX: NW7DX caught the AF4PS SBTA (sad but temporary antler).
Message-ID: <ff.8f3069a.287fc4c7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

That Ben... he heard my 3 watts to the temporary 17 ft sloper!! (slopes DOWN from 17 ft and toward the south behind the house to the swamp.) I gotta get the loop up.

He is nothing short of phenominal. Thanks Ben.

-MAC-

AF4PS

Date: Thu, 12 Jul 2001 20:29:46 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [102433] Re: N6WG ????
Message-ID: <20010712202946.A16833@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Jul 12, 2001 at 08:14:40PM -0700, KB7WW Art Moe wrote:

> Is Bob still on hearing nothing.

>

> Art

> KB7WW

I listened for about 30 minutes at the beginning of the hunt and couldn't hear either Bob or Ben. I did hear some hounds at ~14.061, so it must be propagation. I see there is about 30 minutes left, so I'll try again in case conditions have improved.

Bob, N7XY

Date: Thu, 12 Jul 2001 22:35:04 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102434] FOX - Patience Pays...
Message-ID: <200107130335.AA00581@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Interesting band conditions here tonight. Bob was weak at the start, and Ben was near ESP levels. Ben started to build after a bit, and I started to play "time the QSB". Murphy must have been riding beside me though. Hit Ben at 11 min. into the hunt with 300 mW, but all I could get him was the call before I'd QSB back into the noise at his end. Zinged him again a while later with the mighty milliwatts, with the same result. He just couldn't pull me out.

Meanwhile, I had been going back to check on Bob. He was *way* down in the crud, and the QRM around 14.061 was horrendous. Loud

QSOs on top of the pack and below Bob by a few hundred Hz, if that.
Didn't look promising.

Put the 5W amp in the line, as I figured I might not get a shot
elsewise. Dropped back down to Ben. He'd gone back down to near
ESP levels. Kept checking both and biding my time.

Ben finally came up to readable levels around 0255. Took one
shot at about 0259, and the big gun took him down. :-)

Shortly after, Ben had continued to build, and I probably could
have milliwattted him. :-(Oh well, I had my pelt, and was back on Bob's
trail. I had to kick in all my filtering just to hear him, and I could only
copy bits and pieces due to the QSB/QRM/QRN. Sat back and waited.
He started to build towards 0320-0325, and a few shots later, I had him.
Of course, after I'd hit him with 5W, he too rose to strong levels for about
10 min., before starting to poop out again. At the moment he's running
S2-S3 here at peak, fading to below S1. Still working them, though.

On the other hand, Ben is now S9, and calling CQ. Go get him if
you haven't already! :-)

72/73,

Todd, AG0T

Date: Thu, 12 Jul 2001 23:37:13 -0400
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [102435] I Been Heard!!!!
Message-ID: <20010712.234633.-3986133.5.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I just got done almost QSOing with Gene KC0IKY!

MAN! We started first by having him transmit. I got him, he was between
like ESP and 229 to me, so I called him ala cell phone, and let him know
I had him, then I had to get the XIT straight with the RIT, and after
that, I started calling CQ. He said he heard me, and even got back to
me, but by that time he musta been like 60 dB below ESP, cause I ain't
even get a good feelin'! The QRN was massive, and he had a lot of noise
to deal with in Pittsburgh, Kansas. Just for a reference, I'm usin' a
SMK-1 unmodded feedin' a CACW (Church Attic Cloud Warmer) dipole antler.
I believe he has a 817 feedin' the ever classic G5RV, man I wish I could

put me up one of those!!!

This SMK kit was great!! Man, I ain't even modded it yet, It needs a filter so that "Radio Free Mexico" or whatever doesn't desense my front end, but hey, what can I say, I'm a whole lotta happy right now, cause now I'm goin' from meltin' solder to poundin' brass!

Aww, YEAH!!

HTMF in Atlanta GA.

LIC,

G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."

Photographer, Philosopher, Preacher, Pirate, Poet.

DE KG4GVL/AE Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 12 Jul 2001 20:57:30 -0700

From: Bob Nielsen <nielsen@oz.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [102436] Re: N6WG ????

Message-ID: <20010712205730.A16908@oz.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

On Thu, Jul 12, 2001 at 08:29:46PM -0700, Bob Nielsen wrote:

> On Thu, Jul 12, 2001 at 08:14:40PM -0700, KB7WW Art Moe wrote:

> > Is Bob still on hearing nothing.

> >

> > Art

> > KB7WW

>

>

> I listened for about 30 minutes at the beginning of the hunt and

> couldn't hear either Bob or Ben. I did hear some hounds at ~14.061, so

> it must be propagation. I see there is about 30 minutes left, so I'll

> try again in case conditions have improved.

Five minutes to go and still no sign of Bob here. I set my AF DSP bandwidth to 50 Hz and was able to copy Ben about 2-1-9 a few minutes ago. I called several times and heard him ask agn?, but don't know if it was me he was hearing or not. He's only about 20 miles away.

I did hear a NH6 coming in fairly well, so there is propagation to somewhere!

I suspect the QSO records are not in danger of being broken tonight.

Bob N7XY

Date: Thu, 12 Jul 2001 21:59:07 -0600 (MDT)
From: Tom Russo <russo@bogoflux.losalamos.nm.us>
To: qrp-l@lehigh.edu
Subject: [102437] [FOX] The quick brown fox...ii.
Message-ID: <200107130359.f6D3x7948750@bogoflux.losalamos.nm.us>

Man-o-man. First time I've ever hit both foxii within 4 minutes! Came home from a meeting at 03:40Z, had the rig on the air by 03:43, found N6WG and had a pelt with one call at 03:45. Found Ben a couple minutes later, waited for him to finish a contact with someone else and got a second pelt, again with one call! And I almost didn't bother trying with so little time to spare.

How nice. Last week it took over an hour of calling just to be heard by one of two foxii, never even heard the second.

See you all on the hunt next week.

--
Tom Russo KM5VY QRPL #1592 K2#398 <http://www.swcp.com/~russo/>
Tijeras, NM DM64ux SOC #236 ICQ#97201722 <http://www.qsl.net/~km5vy/>
"That which does not kill me is better than that which does."
--Friedrich Nietzsche's lesser known brother, Irving

Date: Fri, 13 Jul 2001 00:02:23 -0400
From: "Randall M. Payne" <payner1@strato.net>
To: qrp-l@Lehigh.EDU
Subject: [102438] dsp program
Message-ID: <5.1.0.14.0.20010713000026.00a1a8c0@mail.strato.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks to all who responded to my request. As per a request, here's the url for the program.

<http://www.wh2.tu-dresden.de/~bernd109/amateurfunk/filtenglish.zip>

73,

Randy K4EZM

Date: Thu, 12 Jul 2001 23:24:44 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <igeq100@iupui.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102439] Re: I Have a Better Idea
Message-ID: <020d01c10b53\$bef36da0\$ad0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <igeq100@iupui.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, July 12, 2001 12:44 PM
Subject: Re: I Have a Better Idea

Hey Rich,

> Thanks for your post - it lets me know what I have been thinking
> about may not be so far off the wall. Here is the scheme that I have been
> thinking about. It would use, as far as I know, off-the-shelf software
> and hardware. In brief, one would use commonly-available speech-to-text
> software to create an ASCII character stream that would be sent as a PSK31
> signal. At the receiving end, text-to-speech software, also readily
> available, would reconstruct the text into audible speech.

Kewl. Good idea, Rich! It would sound synthetic, it even
that type of setup has some usefulness. I've gotten some
e-mail on this, but I don't I explained myself completely.

A lot of people seem to think that this idea isn't new
and has been done before. Not true, and not the
way that I'm suggesting. In my idea, voice-recognition
software would sample a person's voice. You'd train
a neural network to learn a person's voice by having
them repeat sentences that have all the phonemes
included in them.

Once that was done, you'd upload your phoneme database to the Internet. Once there, other operators could either download your particular database or use a standard, built-in database that has been optimized. They'd also be using the software, of course.

Anywho, the neural network would help to speed up the process of voice translation. That is, breaking the sampled microphone audio into phonemes. Each phoneme would then be translated into a two-byte index that would be transmitted via PSK31. BTW, a person's database would be updated only if a new inflection or accent was noticed by the network, and this updating would not be done in a real-time manner over the air. All updating would take place after the conversation was finished. I guess you could do this in real-time if the conversation was taking place over the Internet or in a commercial radio applications that have the bandwidth to provide dedicated channels for this, though.

> If the error rate in the PSK31 step could be kept small enough,
> this would result in audio transmission with a very narrow bandwidth.
> True, there would be no trace of the sender's accent, inflection, etc.
> preserved, but the message would get through.

Yep, but remember that my technique would get through using less bytes of data than sending text. OTOH, your idea is much easier to implement, and I do believe that you could implement it using off-the-shelf software. I'm going to be using Linux and gcc to do this, but I'll be working on my DSP detection system first, so it might be a while before I get to this. You (or anyone else), OTOH, can feel free to play around with my idea and see if it works while I learn DSP programming and hack my code for that project. Hmmm. Maybe it might be better if I help you hack your code as a test-bed first? Whatcha think? If you are interested, I could even see to it that we are allowed to give a presentation for the annual ACM get-together :^).

> In fact, CW, while it does contain the idiosyncrasies
> of one's "fist", is also devoid of inflections, etc, and works very well.

I've heard about this, but I have yet to look into PSK31. Too busy reading DSP stuff on the net all day :^).

> An advantage of this approach is that it would not require prior
> or parallel communication to the receiving party to set up the system.

Too true.

> Thus it could be used casually and could involve many people on a random
> basis, just as we do hamming with our present modes.

True. OTOH, when it comes to speech, most people would rather hear a person's real voice, or so says the web sites and books that I've been reading for last 3 years on this subject. Hams, OTOH, can probably tolerate this, especially if we can do it in a few hundred cycles. Step over SSB :^).

> While it is not true that there is "nothing new under the sun", I
> always find that most of my bright ideas have been thought of before.

Some have, and some haven't, as we all know :^). Even if they have been thought up before, that doesn't mean that there isn't room for improvement. Also, if everyone thought this way, how would things advance? I just hope that all of the nah sayers stay the way they are and let others innovate while they keep thinking that things can't improve. That leaves more room for us to it, and it also helps cut down on the competition :^). Can you say knotheads? I knew you could :^).

> (But not my magnetic bug, as far as I know).

Even if someone has done a magnetic bug, Rich, I'd build one any way. Just because someone has done, that doesn't mean that your particular idea on the subject won't be any better. Everyone thinks and looks at the world that surrounds us differently, to some extent, and maybe your idea will improve the situation drastically. Who knows? You won't know unless you try, and "try" and "give it a shot" is not in most peoples' vocabularies, unfortunately.

> Ideas also do not arise from a vacuum, and lists like this
> (and the whole hobby of ham radio) are valuable in the
> cross-fertilization of ideas that leads to novel advances.

Wiser words were never spoken! Also, being able to

think about things and wonder what the logical next step is going to be and looking at the world in a linear fashion has helped me a lot with my endeavors, Rich. Oh, and when I say linear here, I'm also talking about being able to follow a particular idea in a linear fashion in both directions. In other words, also look at something you are trying to develop historically (if this applies), following the concept to present day. Sometimes that can give you some insight and help lead to a solution, too. This tactic has worked for me and should work for anyone else.

> So our ideas are not too different, and not too far-fetched after
> all.

Nope. Not at all. Give it a shot, and let me know if you need any assistance. I don't have a lot of free time, but I'm willing to give you some of it if you need it.

73,

Randy

--

HAMateur Radio: AB5NI

Date: Fri, 13 Jul 2001 00:31:33 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [102440] QRP QUARTERY BACK ISSUES SPECIAL
Message-ID: <Pine.BSF.4.33.0107130017490.55166-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

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72 ES

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"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 12 Jul 2001 23:36:03 -0500
From: "KD4W0V Tom Tishken" <kd4wov@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102441] RE: 2M QRP rig Design
Message-ID: <MABBJEMPFOFMPDAPJLNECEEPOEMAA.kd4wov@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am interested in your qrp rig for 2 meters. Also would be interested in a 70 cm qrp rig. these would be great to drive a transverter.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Steven Weber
Sent: Tuesday, July 10, 2001 12:12 PM
To: Low Power Amateur Radio Discussion
Subject: 2M QRP rig Design

I figured the best way to develop a 2M qrp rig design would be in a modular fashion. No sense trying to do everything at once.

Logically, the first module should be the L0. So, I just finished a cpu controlled PLL, with a 100-200 Mhz VCO, LCD display and tunes in 10 KHz min steps. I have a SBL-1, DBDM, on the output of the VCO, which can be used to key, modulate or control the output amplitude of the VCO signal. It also has pin selectable offsets of 10.7 Mhz and 14 Mhz, so I can try a DC Rx, a super het with 10.7 Mhz IF or use with a 20 M receiver.

Unfortunately, the VCO board uses about \$30.00 worth of parts. Might have to come up with a cheaper way to do this eventually, but it's a start. I'll try to get more details of this on the web page sooner or later, once we're a bit farther along.

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 13 Jul 2001 07:01:08 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [102442] Re: My Apology to EE's
Message-ID: <GGEB8602.Q9Z@mail.usd.edu>

Dear Laura:

I have to apologize on behalf of the civilized portion of the QRP-L not only for the negativity of the remarks to/about you, but moreso for the incredible sexist slur. Did I actually read what I thought I was reading? Mind-boggling that anyone would post such an insulting derogatory remark.

I'd feel a lot better if you did not leave. That's exactly the kind of reaction that such slurs are aiming at. Leaving simply "enables" the power invested in sexist/racist slurs. Staying disables them.

I see that Walt Maxwell has been getting some flack as well in recent postings.

I'll bet my QRP+ that those on the attack have not (and never will) publish rebuttals with all the math and measurements that would be necessary.

If I may say so, I think it is rather silly to toss stones at EE types -- unless one has a Ph.D./EE with publications etc. For example, I very much enjoy reading Roy W7EL and Bill Sabine wrestle about current flow on coax shield braid on some antenna newsgroup. The discussion was marked by the utmost civility and mutual respect, and the content was data and math. They both enjoyed it --although I can't guess as to what their personal feelings are about each other. I didn't care, because I was seeing some really sophisticated stuff put into some really good words. 72, Ade

Date: Fri, 13 Jul 2001 00:01:08 -0500 (EST)
From: <igeq100@iupui.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [102443] Thanks for the antenna help

Message-ID: <Pine.GS0.3.96.1010712234729.16861C-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, All -

My thanks to all who gave their suggestions. The consensus was that I should add about 10 feet of extra feedline. I did this, using dual banana jacks so that I can disconnect it easily. With it in place, my Super Tee (homebrew) tuner can match the antenna on 40, 30, 20, 17, and 12 meters, and with the extra line removed, 80, 40, 20, 15, and 10 can be matched. So I am set.

To express my thanks, I have dug up a dozen dual banana plugs (with solder studs, not setscrews) like the ones I used to make my "patch" with. I will give a set of four to the first three of my "elmers" who ask for them.

Thanks again for the help - you all are what the list is really about.

72,
Rich, WB9LPU

Date: Fri, 13 Jul 2001 01:14:08 EDT
From: NB6M@aol.com
To: qrp-l@lehigh.edu
Subject: [102444] Setting lower band edge on SW30+ or MH101 Project
Message-ID: <5f.17cba596.287fdda0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Want to be able to set your tuning range on the SW30+, MH101 Project, or any other tuning diode controlled VFO type rig so as to make full use of the low end of the band, right down to the bottom of your legal portion of the band, without having to worry about getting out of band and into trouble?

Here is one easy way to do it.

I recently completed an SW30+ kit, which I had had to postpone building due to extended travels out of state.

The VFO of this fine rig makes use of a selection of low value NP0 caps to set the tuning range. Once the rig is completed, the idea is that you connect a dummy load, transmit, and locate your signal on another, calibrated, receiver, or frequency counter.

Then, using the formula that Dave Benson has thoughtfully provided, you select the appropriate value capacitor, and install it as "C-7", padding the existing capacitance of the VFO tank circuit so as to lower the frequency the required amount.

Most of us would be quite upset at inadvertently transmitting out of band. So, we tend to select the value of capacitance that gives us a low end of our tuning range that is as close to the bottom of the band as possible, but which may still leave us a few, or even several, Khz above the bottom of the band.

What to do? One could either compress or spread the turns of the VFO coil to make a closer adjustment, but this is still not precise enough, and, unless the coil turns are then anchored in some way, heating, due to the RF present, can cause the coil turns to move slightly, resulting in a shift in frequency.

In my case, selecting the 68 pf cap supplied left the low end of my tuning range at 10.085 Mhz. The next lower value supplied, 47 pf, left the low end of the tuning range at about 10.110. Fortunately, I had a 56 pf NP0 cap to install.

However, this put the low end of the tuning range at 10.096 Mhz. Since the upper end of the tuning range, with that cap installed, was 10.132 Mhz, giving me the complete useful "CW" portion of the 30 Meter Band, I elected to leave that cap in place and make a fairly precise adjustment to the low end of the tuning range.

Here's how:

First, turn the tuning knob of the SW30+ completely to the lower end of its range. Then, set your calibrated receiver at 10.100 Mhz, in the Upper Sideband mode. With the dummy load still connected to the SW30+, key it, and turn its tuning knob until you get about an 800 Hz tone from your calibrated receiver.

Unkey the QRP rig for a moment, so as not to overheat the PA. Then, to double check that you are "in-band", key the SW30+ again and tune the calibrated receiver up in frequency until the tone heard goes below the audible range in frequency (zero beat). You should read about 10100.8 Khz on your calibrated receiver dial. Leave the tuning for the calibrated receiver at that point, and switch to the Lower Sideband Mode. You should then still be at zero beat on the qrp rig's frequency, and as you tune the calibrated receiver on up in frequency, the tone heard should go from below an audible

frequency to a higher frequency. Unkey the QRP rig.

The point being that if you are zero beat on your qrp rig's frequency at 10100.8 Khz, and can check that by switching from USB to LSB and remain at zero beat, you can be sure you are actually transmitting on 10100.8 Khz. Obviously, you could use a frequency counter, if you have one.

Once you have the tuning of the SW30+ set so as to transmit at 10100.8 Khz or so, unkey it and remove the supply voltage.

Be careful not to disturb the position of the tuning knob while you first unsolder and remove the "Ground" lead from the tuning pot, and then measure the resistance from the wiper, or center contact of the pot, to the contact you removed the ground lead from.

Now the thing to do is solder a resistor, of a value slightly greater than the resistance measured, between the ground lead and the contact on the tuning pot that the ground lead was removed from. If you wanted to be VERY precise, you could connect a ten-turn, screwdriver adjusted, miniature pot at that point, set the tune pot to the low end, and adjust the miniature pot for the low end of the band. However, using the next higher standard value resistor should be close enough.

In my case, the next higher standard value resistance was 22 K Ohms, and I had measured something like 19+ K Ohms.

If you put exactly the same value of resistance in series between the ground lead and the "ground" contact on the tune pot as the amount you measured, it won't be quite enough. This is because you need to add the same percentage of resistance between the tune pot and ground as there was present between the wiper and "ground" contact of the pot, relative to the total resistance of the pot itself.

The idea is to install the proper amount of resistance between the "ground" contact of the tune pot and the ground lead itself so that the lowest position of the tune pot now supplies that exact amount of voltage to the tuning diode which tunes the rig just above the bottom end of the band, or band segment.

Now, re-connect the dummy load, power up the SW30+ again, turn its tune pot to the low end of the tuning range, key it, and find zero beat on the signal with your calibrated receiver (or frequency counter). Your transmitted signal should still be just under 1 Khz above the bottom of the band, and now can make full use of the low end of the band without having to worry about straying "out-of-band".

If your transmitted signal is not quite where you want it, try either the next higher standard value resistance, or the next lower, whichever is

appropriate, until the rig is exactly where you want it.

This same procedure can be used with any tuning diode controlled VFO, by adding a small value of capacitance in parallel with the capacitance in the VFO tank circuit so as to put the low end of the tuning range just below the lowest frequency desired, and then installing an appropriate value of resistance between the ground end of the tuning pot and the ground lead itself.

72

Wayne NB6M

Date: Fri, 13 Jul 2001 07:16:11 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [102445] Wake Up QRP-L Manager!!!
Message-ID: <GGEBX900.2AE@mail.usd.edu>

If there is a list manager for QRP-L, I call your attention to the following posting of July 11, 2001, 11:40EDT:

Hi Gang,

Well, I had to go nuclear -- as usual! -- and put my foot in my mouth yet again! Let it be known that I have the utmost respect for my friends and fellow workers in field of EE, and I ever so humbly appologize for the remark I made **about electrical engineering. I think most of** **you realize that I said this to tick off Laura** **and put that arrogant, eccentric, "she knows** **everything" b***h in her place. Any way, I** was totally wrong in doing this, and I'm very, very sorry for that remark. I WAS WRONG!

Randy

--

HAMateur Radio: AB5NI

Such a sexist slur is not merely crude and uncivil, it is a flagrant violation of Title 9 and the poster is probably liable to court action including the awarding of damages.

Laura has already announced that the slur has motivated her

to leave the QRP-L. I do not blame her. And she will be missed as a source of info and opinions ON MATTERS RELATED TO QRP.

The poster should be immediately ejected from this list.

In the event that no list manager exists, the poster should be sufficiently mature to leave on his own volition.

72, Ade

Date: Fri, 13 Jul 2001 00:37:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: igeq100@iupui.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102446] Re: Thanks for the antenna help
Message-ID: <3B4E8906.DF73D344@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First request?

Thanks and glad to be of help!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

igeq100@iupui.edu wrote:

>

> Hi, All -

>

> My thanks to all who gave their suggestions. The consensus was
> that I should add about 10 feet of extra feedline. I did this, using dual
> banana jacks so that I can disconnect it easily. With it in place, my
> Super Tee (homebrew) tuner can match the antenna on 40, 30, 20, 17, and 12
> meters, and with the extra line removed, 80, 40, 20, 15, and 10 can be
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>

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> (with solder studs, not setscrews) like the ones I used to make my "patch"
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> for them.

>
> Thanks again for the help - you all are what the list is really
> about.
>
> 72,
> Rich, WB9LPU

Date: Fri, 13 Jul 2001 01:40:46 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Subject: [102447] Re:QRP Full Gallon?
Message-ID: <12e.1572796.287fe3de@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Richard,

I have an SW40 and like it a lot. Although I enjoy operating true QRP, there are times when I either need or want more power than the nominal 1.5 watts it puts out.

I use an outboard PA that I can either set at the true QRP Full Gallon level, or can set up to over 14 Watts on 40 Meters.

I use the same amp, with appropriate output network changes, on 30 Meters and 20 Meters as well, with my SW30+ and SW20+ rigs.

Works great, and it gives me a lot of flexibility on three or my favorite bands.

72

Wayne NB6M

Wayne NB6M

Date: Fri, 13 Jul 2001 00:44:49 -0500
From: "George, W5YR" <w5yr@att.net>
To: aweiss@usd.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102448] Re: My Apology to EE's
Message-ID: <3B4E8AD1.E53208F2@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And to add to Adrian's comments, if the qualified people on this list leave for what are undeniably good and sufficient reason, that merely reinforces the destructive power being displayed by the few trouble sources with which we must contend.

Those of us who remain and continue to address technical issues and enter into good clean discussions devoid of personalities can do much to maintain the calibre and standards of QRP-L.

We have been through this sort of thing several times in the past. Only by largely ignoring the noise sources and making solid technical contributions can we enhance the S/N ratio for the list.

Again, I add my voice to those requesting that *all* of our valued contributors reconsider and remain where they can be a positive force on the list.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Adrian Weiss wrote:

>
> Dear Laura:
>
> I have to apologize on behalf of the civilized portion of the QRP-L
> not only for the negativity of the remarks to/about you, but moreso
> for the incredible sexist slur. Did I actually read what I thought I was
> reading? Mind-boggling that anyone would post such an insulting
> derogatory remark.
>
> I'd feel a lot better if you did not leave. That's exactly the kind of
> reaction that such slurs are aiming at. Leaving simply "enables" the
> power invested in sexist/racist slurs. Staying disables them.

Date: Fri, 13 Jul 2001 07:49:40 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [102449] Re: Alright Already!
Message-ID: <GGEDH200.099@mail.usd.edu>

Randy:

You still don't get it, do you?

After all the discussion, you can still equate your sexist slur with your perception of Laura's supposed rudeness to you and her supposedly insulting remark.

I invite you to unsubscribe and once you have matured enough to recognize the difference, feel free to resubscribe.

73, Ade

Every time I post a very technical message to this list, somebody has to jump in and tell me that I'm full of it in a rude manner. You never see anything like, "Well, it would be neat if something like that could work, Randy, but there's a slight problem with your idea." I can handle something like that, but a "re-invent the wheel" remark is down-right rude. Why not say something like, "Well, that has been tried before by W5??? and his bunch. You can see their data at www.w5???. Maybe you might be able to expand on it. Good luck, and 73." That is the type of reponse that I give and expect from others.

Anywho, you have to admit that Laura should have never, ever inserted that "re-invent the wheel" remark. That was completely and totally uncalled for, especially when she didn't even finish hearing me and others out on the subject. She just made up her mind and said it has already been done and that we were waisting time with the discussion. I expect an apology for that remark.

===

Laura, again, I am very sorry for the name calling. I was totally out of line with that remark.

Randy "Eatin Crow" Jouett

--

Date: Fri, 13 Jul 2001 00:58:29 -0500

From: "Randall Jouett" <rules@bellsouth.net>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102450] Re: Wake Up QRP-L Manager!!!
Message-ID: <037701c10b60\$d7aa1b20\$ad0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Adrian Weiss <aweiss@usd.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, July 13, 2001 2:16 AM
Subject: Wake Up QRP-L Manager!!!

Ade,

I was appologizing to my friends and fellow workers in the field in EE with that remark, and I was NOT appologizing to Laura. Truthfully, she does NOT deserve it! I warned her about attacking me in e-mail, and she decided to get down and dirty with me openly on the list. When she did that, all bets are off, and it's time to get down and dirty and REALLY go there.

> Laura has already announced that the slur has motivated her
> to leave the QRP-L.

Great! Hopefully, she'll keep this up for a LONG TIME
TO COME!

> I do not blame her. And she will be missed as
> a source of info and opinions ON MATTERS RELATED TO QRP.

With her tactless remarks? Are you kidding?

> The poster should be immediately ejected from this list.

They can try, but that isn't going to work. Not only that, but I don't deserve this. You want to talk about court, fool? Let them try something like this, and we'll see what happens.

I'll have my friends at the ACLU on this so fast that your head will spin. Freedom of speech, idiot. As a matter of fact, I can use all the derogatory remarks that I feel like, and I can even curse up a storm here, and there isn't one thing you can do about it. This is NOT the airways or television. This is the Internet, and I can use a LOT worse terms than that, and absolutely nothing can happen. Not only that, but they can't actually ban me. Oh, they can tell the server to reject my postings, but who is to say that I won't come on here under a different name or even spoof the lehigh server, you fool! From your dumb remarks, I can tell you know absolutely nothing about computer science; otherwise, you wouldn't be making stupid remarks like this.

> In the event that no list manager exists, the poster should be
> sufficiently mature to leave on his own volition.

Don't count on it! As a matter of fact, things had started to cool down until you showed up! Crawl back under your rock and keep your stupid mouth shut, lid, unless you have some signal to post to the list.

Randy

Date: Fri, 13 Jul 2001 01:05:28 -0500
From: "Patrick Cummins" <pcummins@misnet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [102451] RE Noise Figure to nV/SqrtHz Conversion
Message-ID: <000001c10b61\$ec3c69c0\$0cd294d0@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan:

Went back and checked my library and found the following book which I think you may find quite useful. It is C.D. Motchenbacher and F.C. Fitchen " Low-Noise Electronic Design" John Wiley & Sons 1973. This is an excellent reference that requires only a knowledge of an introductory course in calculus. It covers noise theory, noise in solid state devices, designing low noise circuits and measurements of system noise. It is out of print, so

you will have to check with a library or if you want to buy one you will need to go through a used book dealer.

Patrick S. Cummins W5PSC
pcummins@misnet.com

Date: Thu, 12 Jul 2001 23:19:35 -0700
From: "Glenn Maclean" <wa7spy@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102452] Re: QRP Full Gallon?
Message-ID: <00c701c10b63\$c9ae5d80\$11710c41@scrmnt1.ca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rich,
I just finished building NB6M's Mini Boots amplifier. It is a very easy project to build and it is done home brew ugly or Manhattan or whatever style you like.. The schematic and parts list with instructions can be found on the Nor Cal QRP Club web site. My amp has a controllable pot to go up to 10 -14 watts output or down. My DSW-20 drives the amp to 10 watts out on 20 meters.

Glenn WA7SPY

Date: Fri, 13 Jul 2001 03:46:26 EDT
From: BenNW7DX@aol.com
To: <qrp-1@lehigh.edu>
Subject: [102453] Fox- NW7DX fox report w/ log
Message-ID: <12a.1529df9.28800153@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello -

Thanks for the wild ride tonight. I had a fun time. It seemed like the conditions were pretty good, as there were many strong S7 - S9 signals but I guess there weren't enough of them. After the first hour, I was really begging for contacts, but was slowly milking them out as more guys popped up. At the begining of the hunt, I was watching my rate meter go higher and higher. A couple times I had it past 120 Q/Hr! It quickly died down though after the first 30 mins. It

was great hearing some familiar calls.

I will be extremely busy tomorrow, so I am just posting my log here tonight. I haven't revised the log yet, so It may look different from all the other guy's logs but the final log will be in the correct format. If you see any errors, please give me an email and I'll promptly correct them. For the most part, I thought I copied most guys pretty well.

This weekend I will be guest operating at K7RI's, along with N0AX in the IARU, so I won't be getting home until late Sunday afternoon. I hope to hear many of you guys in the contest.

Anyway, below is the fox log,

=

20CW	13-Jul-01	02:00	1	N5TW	599	559	TOM 5W	TX	1
20CW	13-Jul-01	02:01	2	K4FB	599	559	PAUL 5W	FL	1
20CW	13-Jul-01	02:01	3	K5AAR	599	559	DON 5W	OK	1
20CW	13-Jul-01	02:02	4	NK6A	599	559	DON 5W	CA	1
20CW	13-Jul-01	02:03	5	W8RU	599	559	RON 5W	MI	1
20CW	13-Jul-01	02:04	6	K5OI	599	559	TIM 5W	NM	1
20CW	13-Jul-01	02:04	7	W8XU	599	559	LON 5W	WI	1
20CW	13-Jul-01	02:05	8	N1FN	599	559	ET 5W	CO	1
20CW	13-Jul-01	02:05	9	NM5M	599	559	ERIC 5W	TX	1
20CW	13-Jul-01	02:06	10	N4ROA	599	559	DAN 5W	VA	1
20CW	13-Jul-01	02:06	11	W9UQB/7	599	559	MIKE 5W	AZ	1
20CW	13-Jul-01	02:07	12	N2WW	599	559	LARRY 5W	CO	1
20CW	13-Jul-01	02:07	13	K5YU	599	559	HARV 5W	TX	1
20CW	13-Jul-01	02:08	14	WA9TZ	599	559	JIM 5W	WI	1
20CW	13-Jul-01	02:08	15	NQ7X	599	559	FLOYD 5W	AZ	1
20CW	13-Jul-01	02:09	16	AK7Y	599	559	GREG 5W	AZ	1
20CW	13-Jul-01	02:09	17	K5JHP	599	559	BILL 5W	TX	1
20CW	13-Jul-01	02:10	18	W5YR	599	559	GEORGE 5W	TX	1
20CW	13-Jul-01	02:10	19	K5DW	599	559	DON 5W	TX	1
20CW	13-Jul-01	02:11	20	N9AW	599	559	JERRY 5W	WI	1
20CW	13-Jul-01	02:11	21	KV4EE	599	559	CRAIG 5W	OK	1
20CW	13-Jul-01	02:12	22	K0FRP	599	599	AL 5W	CO	1
20CW	13-Jul-01	02:13	23	N1EU	599	559	BARRY 5W	NY	1
20CW	13-Jul-01	02:14	24	W5USJ	599	559	CHUCK 5W	TX	1
20CW	13-Jul-01	02:14	25	K8CV	599	559	WALT 5W	MI	1
20CW	13-Jul-01	02:15	26	N0DSP	599	559	TOM 5W	CO	1
20CW	13-Jul-01	02:15	27	W0HEP	599	599	RICH 5W	CO	1
20CW	13-Jul-01	02:16	28	W0DC	599	559	JOHN 5W	MN	1
20CW	13-Jul-01	02:17	29	K4GT	599	559	JIM 5W	GA	1
20CW	13-Jul-01	02:17	30	K0EVZ	599	559	DOC 5W	ND	1
20CW	13-Jul-01	02:18	31	VA6RF	599	559	EARL 5W	AB	1
20CW	13-Jul-01	02:20	32	KC1FB	599	559	JIM 3W	CT	1
20CW	13-Jul-01	02:21	33	KA3WMJ	599	599	KEN 3W	PA	1
20CW	13-Jul-01	02:22	34	NX8C	599	559	NIEL 5W	MI	1

20CW	13-Jul-01	02:23	35	AF4PP	599	579	CHUCK 4W	GA	1
20CW	13-Jul-01	02:24	36	AB0CD	599	559	DICK 5W	CO	1
20CW	13-Jul-01	02:24	37	K4MF	599	559	GARY 5W	FL	1
20CW	13-Jul-01	02:27	38	AD4J	599	559	JIM 5W	GA	1
20CW	13-Jul-01	02:30	39	N0DEX	599	459	DAVE 100W	NE	1
20CW	13-Jul-01	02:31	40	WA0RJY	599	559	JACK 5W	WA	1
20CW	13-Jul-01	02:33	41	AC5JH	599	559	TOM 5W	OK	1
20CW	13-Jul-01	02:35	42	WU9N	599	559	RANDY 5W	OH	1
20CW	13-Jul-01	02:38	43	N5IB	599	559	JIM 5W	LA	1
20CW	13-Jul-01	02:39	44	N1TP	599	579	TOM 5W	FL	1
20CW	13-Jul-01	02:39	45	W0CH	599	559	DAVE 5W	MO	1
20CW	13-Jul-01	02:42	46	N0HRL	599	559	KEN 5W	MN	1
20CW	13-Jul-01	02:42	47	KJ0C	599	559	JIM 5W	MO	1
20CW	13-Jul-01	02:43	48	K4TJD	599	559	TOM 5W	GA	1
20CW	13-Jul-01	02:46	49	AA7XA	599	559	FRANK 5W	OR	1
20CW	13-Jul-01	02:46	50	K9IUA	599	559	KEVIN 5W	ND	1
20CW	13-Jul-01	02:47	51	KI0II	599	559	RON 1W	CO	1
20CW	13-Jul-01	02:49	52	KB7WW	599	559	ART 5W	OR	1
20CW	13-Jul-01	02:49	53	KB7N	599	599	MARK 5W	WA	1
20CW	13-Jul-01	02:50	54	WB7AEI	599	559	PHIL 2W	WA	1
20CW	13-Jul-01	02:52	55	N5YFC	599	559	WAYNE 5W	LA	1
20CW	13-Jul-01	02:53	56	K3NG	599	559	GOODY 5W	PA	1
20CW	13-Jul-01	02:55	57	NV4V	599	559	PETE 5W	KY	1
20CW	13-Jul-01	02:56	58	AG0T	599	559	TOD 5W	ND	1
20CW	13-Jul-01	02:59	59	NN5E	599	559	VERN 1W	TX	1
20CW	13-Jul-01	03:00	60	W7KN	599	559	ZUO 5W	WA	1
20CW	13-Jul-01	03:01	61	W9HL	599	559	RANDY 5W	IL	1
20CW	13-Jul-01	03:02	62	N0IT	599	579	DAVE 5W	MO	1
20CW	13-Jul-01	03:04	63	AJ9U	599	559	BOB 5W	WI	1
20CW	13-Jul-01	03:06	64	W7ILW	599	559	HOWARD 5W	AZ	1
20CW	13-Jul-01	03:07	65	AF4PS	599	559	MAC 3W	FL	1
20CW	13-Jul-01	03:07	66	VE1MT	599	559	LAYTON 3W	NS	1
20CW	13-Jul-01	03:08	67	AA4LR	599	569	BILL 5W	GA	1
20CW	13-Jul-01	03:09	68	AC7CF	599	559	ANDREW 5W	UT	1
20CW	13-Jul-01	03:10	69	AA5O	599	559	VERN 5W	LA	1
20CW	13-Jul-01	03:12	70	VE5RC	599	559	BRUCE 5W	SK	1
20CW	13-Jul-01	03:13	71	K5BGB	599	559	ROD 5W	TX	1
20CW	13-Jul-01	03:14	72	VE6EX	599	559	DAN 5W	AB	1
20CW	13-Jul-01	03:14	73	KB1ENS	599	559	JOHN 5W	VT	1
20CW	13-Jul-01	03:15	74	NB0W	599	559	SCOTT 2W	NE	1
20CW	13-Jul-01	03:16	75	NK9G	599	559	RICK 5W	WI	1
20CW	13-Jul-01	03:18	76	WE9K	599	559	GLENN 5W	WI	1
20CW	13-Jul-01	03:19	77	KI0RB	599	559	VINCE 5W	CO	1

20CW	13-Jul-01	03:26	78	VE6JAZ	599	339	RON 5W	AB	1
20CW	13-Jul-01	03:27	79	AA7EQ	599	559	BOB 5W	AZ	1
20CW	13-Jul-01	03:28	80	N0RC	599	599	ROD 5W	CO	1
20CW	13-Jul-01	03:31	81	N8VW	599	559	PAT 5W	OH	1
20CW	13-Jul-01	03:32	82	K5EOA	599	559	WAYNE 5W	LA	1
20CW	13-Jul-01	03:34	83	K7BTW	599	599	DICK 5W	WA	1
20CW	13-Jul-01	03:35	84	K9QVI	599	579	JOHN 5W	IL	1
20CW	13-Jul-01	03:36	85	WD5CMA	599	559	GLORIA 5W	LA	1
20CW	13-Jul-01	03:47	86	W6ABC	599	559	JACK 5W	CA	1
20CW	13-Jul-01	03:49	87	KM5VY	599	559	TOM 5W	NM	1
20CW	13-Jul-01	03:52	88	N0TK	599	579	DAN 3W	CO	1
20CW	13-Jul-01	xx:xx	89	NW7DX	599	599	BEN 5W	WA	1

73 and thanks for a great time,
Ben - NW7DX
Redmond, WA

Date: Fri, 13 Jul 2001 10:56:34 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102454] RE: I Have a Better Idea
Message-ID: <MABBIDG00GFJFPNLPCNDIEOHCDAA.tf3vst@vortex.is>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are seriously suggesting that amateurs sample their real voice and have it
on the internet available for everybody to download and use???
Oh boy, you americans are certainly not concerned about personal privacy.

I imagine that there are some people already waiting to play some practical
jokes on your expense, e.g. calling a radiostation's on air program and
broadcast some nonsense, pretending to be you - with YOUR voice, hihi.

72, de Villi TF3VS

>Once that was done, you'd upload your phonome database
>to the Internet. Once there, other operators could either
>download your particular database or use a standard,

Date: Fri, 13 Jul 2001 06:47:35 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [102455] Re: Wake Up...
Message-ID: <4F76B3D4A76AD111803B00A0C9893D9C06ED8DEB@cninexchsrv05>
MIME-Version: 1.0
Content-Type: text/plain

Ahhh, isn't maturity a wonderful thing?

Date: Fri, 13 Jul 2001 06:49:37 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [102456] A pearl
Message-ID: <4F76B3D4A76AD111803B00A0C9893D9C06ED8DEC@cninexchsrv05>
MIME-Version: 1.0
Content-Type: text/plain

As my grandad used to say, it's better to be thought a fool than to open your mouth and remove all doubt. He also said the more he saw of people the better he liked animals.

73

Date: Fri, 13 Jul 2001 06:59:19 -0500
From: "Mike D." <hrg@cifnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102457] Unsubscribe info?
Message-ID: <005401c10b93\$3f363620\$082dbbd0@bozo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Would someone please post or send me directly unsubscribe information? Tks.

73 de Mike, N9BOR
FISTS MAC SMC SOC ZUT
<http://www.qsl.net/n9bor>
MAC <http://www.qsl.net/mac>

di dah dit - The only Roger Beep you'll ever need.
My designated driver is a 12BY7A.

Date: Fri, 13 Jul 2001 07:23:33 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <NB6M@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102458] Re:QRP Full Gallon?
Message-ID: <011701c10bab\$92cff560\$5bb61a26@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

Gary Surrency had posted a collection of mods to bring his SW-30 up to the five-watt level. If I can find 'em (that's the tricky part!), I can put 'em up on my website. The changes would apply to other versions in this series, with adjustments for frequency-sensitive components.

And a 'food-for-thought' item. I'm frequently asked "Can I replace the final with a better transistor to get 5 Watts out?" Instead of my promising myself (for several years now) to do an article- and never getting to it, this would instead make a good QRP-L thread. Any takers?

73- Dave, K1SWL

-----Original Message-----

From: NB6M@aol.com <NB6M@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, July 12, 2001 22:41 PM
Subject: Re:QRP Full Gallon?

Richard,

I have an SW40 and like it a lot. Although I enjoy operating true QRP, there are times when I either need or want more power than the nominal 1.5 watts it puts out.

<snip>

Date: Fri, 13 Jul 2001 08:01:51 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102459] SAMS Atomic Clock
Message-ID: <078F21595FA7D411B87B00805FA728E64A490B@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The fellow I believe in Colorado who got the clock to work on GMT...

Finally, my SAM's CLUB got the clocks in. I got 2 while they were still there. The received 70 clocks. Check your SAM's again, they are in the "office supplies" dept.

I can not get mine to go to GMT, it will go to -11 hours but not GMT. Any special button pushes?? Otherwise, WOW nice size numbers that you can see from 50 feet with no trouble! Love it.

Jerry
W3CDE
Atlanta, GA

Date: Fri, 13 Jul 2001 12:08:38 +0000
From: Michael Neverdosky <michaeln@cfl.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102460] Re: Wake Up QRP-L Manager!!!
Message-ID: <3B4E9E76.6B609898@cfl.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Adrian Weiss wrote:

>
> If there is a list manager for QRP-L, I call your attention
> to the following posting of July 11, 2001, 11:40EDT:

>
> -----

> Hi Gang,

>
> Well, I had to go nuclear -- as usual!

snip

>
> Randy

> --

> HAMateur Radio: AB5NI

> -----
> Such a sexist slur is not merely crude and uncivil, it is a
> flagrant violation of Title 9 and the poster is probably liable
> to court action including the awarding of damages.

I doubt that as it is the truth and truth is an absolute defense
against slander and libel claims.

> The poster should be immediately ejected from this list.

And so should you for REPOSTING THE ENTIRE INSULT!

Just as the whole thing was dying down you have to jump in
and try to stir it all up again.

> In the event that no list manager exists, the poster should be
> sufficiently mature to leave on his own volition.

Maybe you should join Laura in a techno-snob list somewhere where
you won't be bothered by any of us poor uneducated, uncultured
riffraff who seem to annoy you so much.

Never mind, soon there will be no one left on QRP-L for it to matter
at all.

Another simple, stupid, HAM outta here.

michael N6CHV

Date: Fri, 13 Jul 2001 03:47:11 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [102461] Weakest Link
Message-ID: <Pine.LNX.4.21.0107130334510.2037-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Flagrant violators of common civility should be banned. We should not have
to endure their "problems". If you can't interact with others with any
class or dignity, then ... "GoodBye", You are the weakest link.

You know who you are. You are not welcome. If the manager won't do it,
I will have to just filter you out. Just because there are 2000 people

that haven't responded doesn't mean that they are in support of your logic. I vote for the offender(s) to be banned. A misunderstood intent is one thing. A vicious personal attack should not be tolerated.

73,

Jim n2go

Date: Fri, 13 Jul 2001 08:26:01 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102462] Re: Alright Already!
Message-ID: <00fa01c10b97\$65858160\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, this thing would probably die.

If certain people with their own agenda didn't keep TRYING to keep it alive...

Mike

Date: Fri, 13 Jul 2001 08:31:09 EDT
From: WY1W@aol.com
To: qrp-1@lehigh.edu
Subject: [102463] Re:%206%20meters%20on%20the%20Sierra?
Message-ID: <7a.1796c877.2880440d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Dave;
Please pass any info that you receive on a 6 mtr module to me also. I have been thinking the same way as you.

tnx H. Bacon WY1W

Date: Fri, 13 Jul 2001 08:37:13 -0400
From: lenny wintfeld <w2bvh@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102464] Re: QRP Full Gallon?
Message-ID: <3B4EEB79.D2F1EC@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

Dans Small Parts has (or had) a W1FB 5 Watt amp kit.

73, Lenny W2BVH

Date: Fri, 13 Jul 2001 08:34:13 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [102465] Re: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <125490A005E3D3118C9C00805FC743CC027E2E87@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

What is the difference between audio 1/f noise and RF 1/f noise, beside the cutoff frequency? The latter usually precludes the use of Microwave GaAs FETs at HF. Otherwise, an MGF1801 ought to have a 0.2 dB NF at HF.

The most important yet poorly understood area of QRP work is the noise performance of non-linear circuits. How do we calculate the noise figure of Dan's mixer? How do we calculate the effect of a noisy oscillator on the mixer?--Zack W1VT

Date: Fri, 13 Jul 2001 08:45:07 -0400
From: Jim Stafford <w4qo@amsat.org>
To: unlisted-recipients;; (no To-header on input)
Cc: QRP List <qrp-1@Lehigh.EDU>

Subject: [102466] Re: [qrparci] QRP QUARTERY BACK ISSUES SPECIAL
Message-ID: <3B4EED53.5B424354@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Danny,

I will post the new list of available issues on the web page too.

--

Jim Stafford, W4Q0@arrl.net 770-993-9500
President - QRP ARCI <http://www.qrparci.org>
Chief Op: <http://www.w4qo.com>
My local QRP club: <http://www.nogaqrp.org>
My other life: <http://www.byjimeny.com>
Married to: <http://www.mariquilt.com>

Date: Fri, 13 Jul 2001 08:42:04 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [102467] Re Apalogies
Message-ID: <3B4EEC9C.5440@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Neither personal attacks nor "political correct" insanity belongs on this list in my opinion. Back to QRP ladies(?) and gentlemen(?).

Joe, K3CHP

Date: Fri, 13 Jul 2001 09:15:44 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102468] Re: antenna help -another source
Message-ID: <006f01c10b9d\$ee6741c0\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out W6RCA's web page for the all band no tune antenna system he devised a while ago. real nice work up.
<http://people.delphi.com/cecilmoore/mystery.htm>

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Date: Fri, 13 Jul 2001 09:22:00 -0400
From: "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>
To: qrp-1@Lehigh.EDU
Subject: [102469] PSPICE Webpage
Message-ID: <85256A88.00491ADE.00@CDCLN08.LVS.DUPONT.COM>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just came across a great PSPICE webpage. I know I'll be there alot.

<http://www.spice-club.com/uk/index.asp>

Paul KB2TPA Cheektowaga NY Pepperdog, USMC, TT Argosy, Sierra

Date: Fri, 13 Jul 2001 09:27:41 -0400 (EDT)
From: Dan Halbert <halbert@bbn.com>
To: va6cw@look.ca
Cc: qrp-1@lehigh.edu
Subject: [102470] Re: [102276] Possible Loop ant and LDG Z-11 QRP Auto Tuner
Message-ID: <200107131327.JAA01554@siu>

VA6CW asks:

>I live on a fairly small city lot in town and i'm considering a triangle
>shaped horizontal loop fed with 300 ohm twin lead...

>Can anyone recommend a particular wire length for the three sided loop fed
>with twin lead?

I have exactly this situation. I have a low (maybe 22 feet high) horizontal triangular loop for 40m and up on a 5700 sq-ft lot. I used the length (in feet) $1005/f$ (MHz) which is the classical suggestion. However, KK6MC and others on this list have suggested $1033/f$ as a better number, and referred to this thread on the NEC-LIST email list:

<http://dutettq.et.tudelft.nl/~koen/Nec/Archive1996/0382.html>

The corners of my loop pass through marine pulleys attached to nylon rope through tree branches. I also keep some slack in the antenna. The pulleys and the slack give the whole thing some play and it survives bad weather well (though this spring some animal chewed through a rope twice). I feed it with 300 ohm to the attic and then 450-ohm window line outside the house. I have found I need a 4:1 balun at the tuner output to get my tuner to tune up well on all the bands.

Regards,
Dan, KB1RT

Date: Fri, 13 Jul 2001 07:31:02 -0600
From: "David Ek" <ekdave@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [102471] Looking for a design for an absolute-reading SWR meter for portable use
Message-ID: <000801c10ba0\$119c1880\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

For a while now I've been in search of a design for an SWR meter which is extremely compact (for backpacking) but which reads absolute SWR (at least approximately, if not extremely accurate). My ZM-2, of course, has the LED indicator for relative SWR but there are circumstances where that's not sufficient, or where I don't want the ZM-2 in the line Why? 'cause I'm a geek, that's why! What other reason is there?... ;-) Seriously, there are times when it'd be nice to know the approximate SWR when playing with antennas in the field. It would also be cool to build one into one of my QRP rigs.

At any rate, the only thing I've seen which might fill the bill is the SWR

indicator part of the rainbow tuner design. Before I adapt this for my own purposes, or before I embark on designing my own, have I missed any obvious solutions? I've searched all the usual references. Maybe just a scaled-down version of the SWR bridge shown in one of DeMaw's books?

Anybody have any bright ideas?

73 de Dave AB0GO

Date: Fri, 13 Jul 2001 10:02:39 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <halbert@bbn.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102472] Re: Horizontal Loop length...
Message-ID: <00b701c10ba4\$7c0aa8e0\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My personal experience with Horizontal Loops has been very gratifying. I'd recommend forgetting all about specific length and as recommended in several refs., simply maximize the "enclosed area" to the best of your ability. Round shape would be optimum, but all shapes will work. Check out W4RNL's web page section on horizontal loops... a great resource.

Get it as high as possible to lower the take off angle. You will find that it will be a dream to tune up on all bands where the circumference exceeds one wavelength, and you'll get some real gain, too. Better use GOOD quality twinlead and strain relieve it. (see Ladder-Grabber, etc.) Twinlead really suffers from wind-whipping. Finally, with some of my locations where the feed point has been close to the shack, (Field Day esp.) I "float" the whole loop in nylon pulleys and play with "rotating" it to maximize signal. That can make a huge difference, esp. on higher frequencies where the lobes tend to be sharper.

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj

Date: 13 Jul 2001 07:14:10 -0700

From: W2BJ <barry@minsky.org>
To: rules@bellsouth.net
Cc: qrp-l@Lehigh.EDU
Subject: [102473] Re: Wake Up QRP-L Manager!!!
Message-ID: <20010713141410.2020.cpmata@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Please, no more insults.

On Thu, 12 July 2001, "Randall Jouett" wrote:

>
>
> ----- Original Message -----
> From: Adrian Weiss <aweiss@usd.edu>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Friday, July 13, 2001 2:16 AM
> Subject: Wake Up QRP-L Manager!!!
>
>
>
> Ade,
>
>
> I was appologizing to my friends and fellow workers
> in the field in EE with that remark, and I was NOT
> appologizing to Laura. Truthfully, she does NOT
> deserve it! I warned her about attacking me in
> e-mail, and she decided to get down and dirty
> with me openly on the list. When she did that,
> all bets are off, and it's time to get down and
> dirty and REALLY go there.
>
>
> > Laura has already announced that the slur has motivated her
> > to leave the QRP-L.
>
> Great! Hopefully, she'll keep this up for a LONG TIME
> TO COME!
>
> > I do not blame her. And she will be missed as
> > a source of info and opinions ON MATTERS RELATED TO QRP.
>
> With her tactless remarks? Are you kidding?
>
> > The poster should be immediately ejected from this list.

>
>
> They can try, but that isn't going to work. Not only that, but
> I don't deserve this. You want to talk about court, fool? Let
> them try something like this, and we'll see what happens.
> I'll have my friends at the ACLU on this so fast that your
> head will spin. Freedom of speech, idiot. As a matter
> of fact, I can use all the derogatory remarks that I feel
> like, and I can even curse up a storm here, and there
> isn't one thing you can do about it. This is NOT the
> airways or television. This is the Internet, and I can
> use a LOT worse terms than that, and absolutely
> nothing can happen. Not only that, but they can't
> actually ban me. Oh, they can tell the server to reject
> my postings, but who is to say that I won't come on
> here under a different name or even spoof the lehigh
> server, you fool! From your dumb remarks, I can tell
> you know absolutely nothing about computer science;
> otherwise, you wouldn't be making stupid remarks like
> this.
>
> > In the event that no list manager exists, the poster should be
> > sufficiently mature to leave on his own volition.
>
> Don't count on it! As a matter of fact, things had started
> to cool down until you showed up! Crawl back under your
> rock and keep your stupid mouth shut, lid, unless you have
> some signal to post to the list.
>
> Randy

72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L,
FISTS #2701, Century Club #569, Platinum #51,
Silver #119, FISTS CW Club of Coastal Georgia,
Knighlites, Adventure Radio Society #359, QCWA
#29298, OOTC #3723, SOC #193, K2 #577, K1
#98

Date: Fri, 13 Jul 2001 22:17:55 +0800
From: "Kevin Anderson" <k9iua@juno.com>
To: sslyon@megalink.net
Cc: qrp-l@lehigh.edu
Subject: [102474] Rotating horizontal loops (Re: Horizontal Loop length...)
Message-ID: <20010713141755.14675.qmail@juno.com>

Content-Type: text/plain; charset="iso-8859-1"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Seab,

Reading your last paragraph

> Finally, with some of my locations where the
> feed point has been close to the shack, (Field Day
> esp.) I "float" the whole loop in nylon pulleys
> and play with "rotating" it to maximize signal.
> That can make a huge difference, esp. on higher
> frequencies where the lobes tend to be sharper.

Suddenly I could picture a rope mechanism to do just that. With two more pulleys on one of the poles, image one with a rope going up from the ground through the pulley and then out to beyond the halfway point of a leg. The same with a second rope going up and out along the other leg from the pole. A floating loop with sufficiently strong wire (so as to not break yet flexible enough to survive trips back and forth through pulleys) and good loose pulleys could then be pulled one way (by one rope) or back the other way (by the other rope) sufficiently to shift the feed point from a corner to midpoint (or anywhere in between). Extra feedlength would also be needed of course to handle the furthest position.

Cool idea. Is that really doable with the wire we use or the sizes of loops involved?

Cheers/73 from North Dakota (for another three weeks, and then it will be Cheers from Iowa....)

Kevin Anderson, K9IUA
home e-mail: k9iua@juno.com

--

Date: Fri, 13 Jul 2001 10:45:10 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <sslyon@megalink.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [102475] Re: Horizontal Loop length...
Message-ID: <005401c10baa\$70111c80\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW!! That sounds really freaking neat!! I never thought of trying to rotate the whole thing like that!!

Now I'm going to go home tonight and start looking at all the trees in my yard and wondering....

How did you 'tension' the loop? I just have a dipole up now, and it's fixed at one end. I threw a rope over a branch about 30' up, and it has a pulley on the end of it. The dipole end is fastened to a Lucite block that is tied to another rope that goes through the pulley then down to the ground where both are tied off. The other end of the dipole is the same, except the rope to the dipole is tied off with about 6 feet of slack, then a brick is fastened to the rope to provide some 'weight tension'. It's survived about 5 severe wind warning storms so far, with the trees whipping all around, and my brick bouncing up and down like crazy.

I DID tie a 'safety' line to the brick to keep it from swinging around and being lethal in the wind, but still allowing it to travel up and down.

I also put a 'loop' of rope to a branch just above the brick to that acts like a 'ring' to the rope hanging through it, again to keep things from flaying around too much in heavy winds.

Mike

----- Original Message -----
From: ss lyon <sslyon@megalink.net>

> I "float" the
> whole loop in nylon pulleys and play with "rotating" it to maximize
signal.
> That can make a huge difference, esp. on higher frequencies where the
lobes
> tend to be sharper.
> 72 / 73,
> "Seab" Lyon - AA1MY
> Bethel, ME 04217 USA
> FN44nj

Date: Fri, 13 Jul 2001 09:49:27 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102476] Re: Looking for a design for an absolute-reading SWR meter for portable use
Message-ID: <07f501c10bab\$41aaa4a0\$0300000a@mcg.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

You could try to find a small analog meter and use any of the many SWR meter circuit. If the meter would be to fragile, you can buy very small digital millivolt meters, but they wouldn't read SWR directly unless you added a log amp like in the Tandem Match in the ARRL Handbook. The last thought would be to build something like "A PIC SWR Meter" by Kelley, Adelbert, AA4FB Dec 1999 QST page 40. A single PIC chip and dual op-amp is all it would take and output could be an LCD or LED display, Morse code, of some plain old LED's. Down on my never ending list of projects to do is such an item as the latter.

Hope that Helps,

Cla Cadmus KA0GKC
St. Louis Park, MN USA

----- Original Message -----

From: "David Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, July 13, 2001 8:31
Subject: Looking for a design for an absolute-reading SWR meter for portable use

> Gang,

>

> For a while now I've been in search of a design for an SWR meter which is
> extremely compact (for backpacking) but which reads absolute SWR (at least
> approximately, if not extremely accurate). My ZM-2, of course, has the LED
> indicator for relative SWR but there are circumstances where that's not
> sufficient, or where I don't want the ZM-2 in the line Why? 'cause I'm a
> geek, that's why! What other reason is there?... ;-) Seriously, there are
> times when it'd be nice to know the approximate SWR when playing with

> antennas in the field. It would also be cool to build one into one of my QRP
> rigs.
>
> At any rate, the only thing I've seen which might fill the bill is the SWR
> indicator part of the rainbow tuner design. Before I adapt this for my own
> purposes, or before I embark on designing my own, have I missed any
obvious
> solutions? I've searched all the usual references. Maybe just a
scaled-down
> version of the SWR bridge shown in one of DeMaw's books?
>
> Anybody have any bright ideas?
>
> 73 de Dave AB0GO
>
>
>

Date: Fri, 13 Jul 2001 10:59:35 -0400
From: "tbowman@nbn.net" <tbowman@nbn.net>
To: qrp-1@lehigh.edu
Subject: [102477] Re: Small Wonder Labs SW40+ Coarse tuning
Message-ID: <4120017513145935579@nbn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1

I'm thinking of making this change to my SW40+.

Must I broadband my SW40+ transmitter tuned circuits or can I simply
tune the transmitter midway between 7020 and 7150 kHz?

Has anyone tried their SW40 over this wide a frequency range?

73,

Tom, WA3REY

Date: Fri, 13 Jul 2001 08:11:13 -0700
From: "ki6ds" <ki6ds@dospalos.org>
To: <qrp-1@lehigh.edu>

Subject: [102478] KI6DS Road Trip
Message-ID: <001d01c10bae\$0f03b200\$1abdc03f@dospalos.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I am about to walk out the door to leave for the East Coast. I will be gone until Aug. 15th. I will be at the NE Club meeting at the ARRL Headquarters on Aug. 5th. Hope to see some of you there. Have a good summer, I am. 72, Doug

Date: Fri, 13 Jul 2001 11:15:05 -0400
From: John Wagner <john@neknetwork.com>
To: hrg@cifnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102479] Re: Unsubscribe info?
Message-ID: <3B4F1079.534383A4@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike (and QRP-L):

We have a website with this information. Please bookmark it for future reference:

<http://qrp.lehigh.edu/lists/qrp-l/>

The page that describes how to subscribe/postpone/unsubscribe is at:

<http://qrp.lehigh.edu/lists/qrp-l/join.html>

73 de John, KB1ENS

"Mike D." wrote:

>
> Would someone please post or send me directly unsubscribe information? Tks.
>
> 73 de Mike, N9BOR
> FISTS MAC SMC SOC ZUT
> <http://www.qsl.net/n9bor>
> MAC <http://www.qsl.net/mac>
>
> di dah dit - The only Roger Beep you'll ever need.

> My designated driver is a 12BY7A.

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 11:27:03 -0400
From: John Wagner <john@neknetwork.com>
To: BenNW7DX@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102480] Re: Fox- NW7DX fox report w/ log
Message-ID: <3B4F1347.E6766D1A@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow - nice job Ben. I for one was very impressed with your work last night. You were picking 'em off left and right during the time I listened.

One trick I used to hear Ben that might be helpful; turn the RF Gain DOWN. I initially had it all the way up but could barely (and I mean barely hear NW7DX). By turning the RF gain down, the noise floor dropped considerably and his signal was easier to pick out. I then used my 500hz filter and DSP filter (Icom 746) to isolate Ben and could hear him the entire time. I figured Ben wouldn't be looking for me as hard as I was looking for him, so I waited until a QSB upswing and called. It took a few times (actually A LOT of times) to get him, but my patience paid off. Ben copied my exchange the first time, so he must have some great ears.

Bob was a bit easier, but here also I caught a break in the QSB to get a pelt from him.

So thanks Ben and Bob for a challenging and exciting Fox hunt - you guys are top ops in my book.

Two pelts drying on the wall... looking forward to next weeks Cub Fox and Fox hunts!

73 de John, KB1ENS

BenNW7DX@aol.com wrote:

>

> Hello -

> Thanks for the wild ride tonight. I had a fun time. It seemed like the

conditions were pretty good, as there were many strong S7 - S9 signals but I guess there weren't

> 20CW 13-Jul-01 03:14 73 KB1ENS 599 559 JOHN 5W VT 1

> 73 and thanks for a great time,
> Ben - NW7DX
> Redmond, WA

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 11:25:44 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "Kevin Anderson" <k9iua@juno.com>
Cc: <qrp-1@lehigh.edu>
Subject: [102481] Re: Rotating horizontal loops
Message-ID: <002101c10bb0\$15963640\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rotating the loop is easily accomplished with a lightweight tether attached to the feed point insulator. You simply tow it back and forth. Of course, more sophisticated control can be imagined, but for Field Days, etc.... it just works. FYI, the biggest loop I did that way was 1600' (in CT) with seven large trees supporting it. There was some lag, but no problem. (see NJQRP Home Brewer re "Big Momma Loop")

Good question re tensioning the loop. I strongly recommend putting your support line completely over the tree. It provides automatic tension control due to the flexibility of top branches. The nylon pulleys (Home Depot, etc.) provide vital stress distribution around the whole perimeter.

I use a sling shot, bottom half of a spin casting pole loaded with 18 - 20# monofilament line and a 3 oz. sinker. The trick is to get a sturdy but small branch at the top of the tree. A few shots may be required. Then pull the support line back over the tree and attach a pulley to it. String the antenna thru the pulleys, attach it to the feed point insulator, then attach the feed line and tether. Once you're convinced the whole thing is mechanically sound, you walk around the perimeter pulling up the support lines and tying them off. If you get the wire hung up, simply toss the sinker w/monofilament over it, stand back, and pull it free. You can get any wire antenna up thru an awfully messy woods that way -with sufficient

patience. An assistant really helps in all this.

p.s.

Remember that you only have to move the loop approx. plus / minus 1/8 wave to sweep lobes thru a null. Also, Corner vs. Broadside feed seems to have a big effect on the overall pattern. It'll drive you to distraction trying to visualize what's gong on. -s-

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj

Date: Fri, 13 Jul 2001 10:25:17 -0500
From: "Kevin Anderson" <k9iua@juno.com>
To: qrp-l@lehigh.edu
Subject: [102482] Re: Unsubscribe info?
Message-ID: <20010713152518.1134.qmail@juno.com>
Content-Type: text/plain; charset="iso-8859-1"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

John, KB1ENS, wrote:

> Mike (and QRP-L):
>
> We have a website with this information. Please
> bookmark it for future reference:
>
> <http://qrp.lehigh.edu/lists/qrp-l/>
>
> The page that describes how to
> subscribe/postpone/unsubscribe is at:
>
> <http://qrp.lehigh.edu/lists/qrp-l/join.html>

For web-limited folks (and, yes, they still do exist on this list), here is what is given at those URLs for instructions once you are subscribed to QRP-L:

---- cut here ----

After subscribing, there are a number of commands you can issue the list. All of the commands are sent via email to the list server at listserv@Lehigh.EDU and include the command in the body of the message. The

most popular ones are shown below...

Receive QRP-L in digest mode - SET QRP-L MAIL DIGEST
Postpone the list - SET QRP-L MAIL POSTPONE
Restore reception of the list - SET QRP-L MAIL ACK
Unsubscribe from the list - UNSUBSCRIBE QRP-L
Obtain a QRP-L member number - RUN QRP-L X GETNR callsign

There are a great number of very interesting and useful commands available from the QRP-L, only the most basic ones are listed above. The file:
<ftp://qrp.lehigh.edu/pub/listserv/qrp-l/welcome.txt>
lists all of the available commands.
---- clip here -----

Cheers/73.
Kevin Anderson, K9IUA
home e-mail: k9iua@juno.com

--

Date: Fri, 13 Jul 2001 06:58:16 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [102483] Laptop?
Message-ID: <Pine.LNX.4.21.0107130649060.409-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There were some discussions on laptops in the past. I have some simple questions. What is a Configuration CD? Will I need one , if so where do you get them. I am getting a Toshiba Tecra P2-400 PAT 80AU-4B51 and it has an OS and drivers installed. I will need to install my office 97 and all my ham stuff. Anything to anticipate? I could start looking for the fixes before the laptop gets here. I will be in NYC this weekend. Any place to get what I need there? Near Wall Street/ Columbia Univ.

73,

Jim n2go

Date: Fri, 13 Jul 2001 09:49:45 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Elecraft-list" <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>, "Club-pre" <members@club-pre.org>, <ncarc@qth.net>
Subject: [102484] SuperFest 2001--FINAL REMINDER--
Message-ID: <020601c10bb3\$71637700\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't forget, tomorrow, SAT 14-Jul-2001 is the day. I hope to put a
face to familiar calls if you are in the area. Look me up at the
"QRP-Corner". Fest details at the website in my sig line.

The top three door prizes are pretty cool:

1. Yaesu, FT-7100
2. West Mt. Radio, Rig Blaster
3. Arrow Antenna, J146/440 J-pole antenna

And the Keynote Speaker is a definite "DON'T MISS".

Paul Harden, NA5N, Solar Activity and HP Propagation

FEST ON!

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Fri, 13 Jul 2001 09:14:35 -0700
From: "Dennis Morales" <dennismo2@home.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [102485] Re: Wake Up QRP-L Manager!!!
Message-ID: <000701c10bb6\$e86d11a0\$fdbdaaac@c3wb0>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All -

I can't speak for anyone else on this list, but as for me, future emails from Randall G. Jouett AB5NI rules@bellsouth.net automatically gets my Delete Button! Sorry, Randy, your last email did it for me.

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Fri, 13 Jul 2001 08:05:16 -0400
From: =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <JOCSAN@chab.minbas.cu>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [102486] OT - MMana
Message-ID: <F194D0FF4327D411A1600050DA080486239B57@cxctehab.ctehab.minbas.cu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello!

I am having problems plotting the SWR. I can't see anything. Any suggestion?

73 and DX, C03J0 - Joc

Date: Fri, 13 Jul 2001 12:43:23 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Cc: john@neknetwork.com
Subject: [102487] Re:MH101: Aligning the SW-30+
Message-ID: <105.61b62e9.28807f2b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

John,

The post from John L. is good info. I had somewhat the same difficulty with

the SW40 I built, and changed the capacitor value on the corresponding cap in its circuit from 150 pf down to 56 pf to get the sidetone/offset where I wanted it.

C-29 is the cap to change, and I would suggest changing its value from 220 pf, peerhaps down to 68 pf or so, and so how that works out.

Wayne NB6M

Date: Fri, 13 Jul 2001 12:42:53 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'n2go@arrl.net'" <n2go@arrl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102488] RE: Laptop?
Message-ID: <078F21595FA7D411B87B00805FA728E64A4914@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Go to the TOSHIBA site and download the specific drivers for that machine.. Win(*) will generally handle the HW in that machine, but sometimes... it doesn't.

Jerry
W3CDE

-----Original Message-----
From: n2go@arrl.net [mailto:n2go@arrl.net]
Sent: Friday, July 13, 2001 6:58 AM
To: Low Power Amateur Radio Discussion
Subject: Laptop?

There were some discussions on laptops in the past. I have some simple questions. What is a Configuration CD? Will I need one , if so where do you get them. I am getting a Toshiba Tecra P2-400 PAT 80AU-4B51 and it has an OS and drivers installed. I will need to install my office 97 and all my ham stuff. Anything to anticipate? I could start looking for the fixes before the laptop gets here. I will be in NYC this weekend. Any place to get what I need there? Near Wall Street/ Columbia Univ.

73,

Jim n2go

Date: Fri, 13 Jul 2001 12:14:35 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102489] Re: List Manager
Message-ID: <3B4F1E6B.ABE1F1B1@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I have to reluctantly go along with the suggestion that we use a list manager.

I've been around a long time, and unlike most of the old timers, I still subscribe to the daily list. However, I'm very close to making a change of some kind. My read/delete ratio is running under 5%. Unfortunately, I read some notes from newbies, "help wanted", or "parts needed" that I would have replied to a couple of years ago. I don't reply these days because I only have so much time, and I'm spending it wading through the off topic messages. (i.e., the recent "Radio Shack" series)

Several years ago, most of the top authors we see in the magazines and many designers and builders posted to QRP-L regularly. All subscribed to the daily reflector. As the list became burdensome, they dropped off one by one. There are a few notable exceptions who still hang around, and, as we all know, they contribute heavily to the knowledge base of our group.

We once had a list manager who tried very conscientiously. Unfortunately, his efforts were met with scorn. It will be very difficult to go from an unmanaged list to a managed list because the management will always reflect the personality or slant of the manager. We would have to accept that slant or bias and live with it. Many present members might leave a managed list.

Many of the off topic posts are interesting, and it's a shame to have to control them, but it is possible for an attentive manager to handle them. It would also be a big job, at least initially, until the number of daily posts is reduced.

He would have to use his judgment and we'd have to accept that. For example, he might allow a "Hey I just got my Extra Class" post, but allow no replies. That is, replies would have to be private to the

individual. Same thing with the "My PC's IO ports don't IO" posts. Any list member who was having a similar problem with his PC and wanted to hear the solution could write the original poster privately. Deciding to allow/not allow would be up to the manager and would not be a topic for discussion.

One of the problems with the previous try at list management was that the manager tried to be fair and explain his actions. Then, every time he made a tough decision there was a big discussion while the whole group debated the fairness of it all. He took a terrible beating for accepting a tough and time consuming job.

I say we forget that. If someone agrees to take the thankless job of list manager, and I hope he does, then let's let him manage. If he lets us know about particular problems and how he's solved them, fine, but any comments should be off the list to him only.

--

73,

Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Fri, 13 Jul 2001 09:57:36 -0700
From: Wes Hayward <w7zoi@easystreet.com>
To: qrp-l@Lehigh.EDU
Subject: [102490] Re: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <3B4F2880.5CB15E08@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Zack, et al,

With virtually all of the active devices we use, there is a low frequency where the noise starts to get higher as frequency is reduced. Noise power then climbs as we drop F at a 3 dB per octave rate, which is a slower climb than we get with RC coupling or resonators. The 1/f corner with bipolar transistor and op-amps can be all over the audio region. JFETs have very low corner frequencies of a kHz or so.

But MOSFETs and GaAs FETs have quite high 1/f corner frequencies. Often the vendors don't do really good measurements, for it's enough of a problem that folks just don't use these parts down low. At TQS we found that our integrated GaAs FETs had a typical 1/F corner between 10 MHz

and 50 MHz. (Consult the foundry for up-to-date data.) So a device that would deliver sub 1 dB NF at 1 GHz was really junk by the time you get to 1 MHz. The performance as an oscillator is really bad, for the oscillator circuit tends to provide a convenient place for the 1/f noise at low frequency to modulate the carrier to create noisy sidebands.

Simulation is always difficult, and noise in nonlinear circuits is especially difficult. Harmonic balance simulators often include the ability to do this though. Both mixer noise and oscillator noise can be simulated in Serenade. See the recent text by Rohde and Newkirk, "RF/Microwave Circuit Design for Wireless Applications," Wiley-Interscience, 2000.

73, Wes, W7ZOI

Date: Fri, 13 Jul 2001 10:04:36 -0700
From: Wes Hayward <w7zoi@easystreet.com>
To: qrp-l@Lehigh.EDU
Subject: [102491] Re: Looking for a design for an absolute-reading SWR meter for portable use
Message-ID: <3B4F2A24.34A55DA3@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Many of the circuits we now use to tune our transmatches are directly capable of producing a number. The usual resistance bridge with an attenuator can be open circuit terminated at the bridge output while the DC meter sensitivity is adjusted for a full scale reading. Then the meter, if calibrated for a 0 to 1 reading, will show voltage reflection coefficient. This is directly and linearly related to VSWR, so a scale could be added to the meter. Or a chart could be taped to the back of the transmatch.

And all of this does not require a PIC processor! One could, of course, be used.

73, Wes, W7ZOI

Date: Fri, 13 Jul 2001 10:03:00 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <ae4ic@nr.infi.net>

Cc: "qrp list" <qrp-l@lehigh.edu>
Subject: [102492] Re: List Manager
Message-ID: <001d01c10bbd\$acee2fe0\$14127d3f@de11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well said, Bob.

But....we haven't heard anything from the list 'owner', Jim Eshleman (sp?).

What's in the future?

Bob NK7M

----- Original Message -----

From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, July 13, 2001 9:14 AM
Subject: Re: List Manager

> Guys,
>
> I have to reluctantly go along with the suggestion that we use a list
> manager.
>
> I've been around a long time, and unlike most of the old timers, I
> still subscribe to the daily list. However, I'm very close to making
> a change of some kind. My read/delete ratio is running under 5%.
> Unfortunately, I read some notes from newbies, "help wanted", or
> "parts needed" that I would have replied to a couple of years ago. I
> don't reply these days because I only have so much time, and I'm
> spending it wading through the off topic messages. (i.e., the recent
> "Radio Shack" series)
>
> Several years ago, most of the top authors we see in the magazines and
> many designers and builders posted to QRP-L regularly. All subscribed
> to the daily reflector. As the list became burdensome, they dropped
> off one by one. There are a few notable exceptions who still hang
> around, and, as we all know, they contribute heavily to the knowledge
> base of our group.
>
> We once had a list manager who tried very conscientiously.
> Unfortunately, his efforts were met with scorn. It will be very
> difficult to go from an unmanaged list to a managed list because the
> management will always reflect the personality or slant of the
> manager. We would have to accept that slant or bias and live with

> it. Many present members might leave a managed list.
>
> Many of the off topic posts are interesting, and it's a shame to have
> to control them, but it is possible for an attentive manager to handle
> them. It would also be a big job, at least initially, until the
> number of daily posts is reduced.
>
> He would have to use his judgment and we'd have to accept that. For
> example, he might allow a "Hey I just got my Extra Class" post, but
> allow no replies. That is, replies would have to be private to the
> individual. Same thing with the "My PC's IO ports don't IO" posts.
> Any list member who was having a similar problem with his PC and
> wanted to hear the solution could write the original poster
> privately. Deciding to allow/not allow would be up to the manager and
> would not be a topic for discussion.
>
> One of the problems with the previous try at list management was that
> the manager tried to be fair and explain his actions. Then, every
> time he made a tough decision there was a big discussion while the
> whole group debated the fairness of it all. He took a terrible
> beating for accepting a tough and time consuming job.
>
> I say we forget that. If someone agrees to take the thankless job of
> list manager, and I hope he does, then let's let him manage. If he
> lets us know about particular problems and how he's solved them, fine,
> but any comments should be off the list to him only.
>
> --
> 73,
> Bob Kellogg, AE4IC, Greensboro, NC
> Prolobly, not nececelery. - Benny Hill
>

Date: Fri, 13 Jul 2001 10:09:45 -0700 (PDT)
From: Gary Slagel <gds slagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [102493] FS: Sierra
Message-ID: <20010713170945.19062.qmail@web11603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Finally got a K2 so its time to sell my old friend the
sierra.

Comes with 15/17/20/30/40 band modules. KC2 digital

display & keyer installed. Noise blanker. Has the Funk amplifier installed so it gets 5 watts or more out. Also has a pot installed on the rear panel so you can vary the power out on the fly! Very nice shape electronically and cosmetically.

Not sure what these are worth now days so we'll go for \$250.

Thanks, Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Sat, 14 Jul 2001 01:29:47 +1000
From: "Graeme Zimmer" <gzimmer@optushome.com.au>
To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102494] Re: Unsubscribe info?
Message-ID: <000b01c10bb0\$a6b146b0\$7e86a4cb@co3043446a>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> We have a website with this information. Please bookmark it for future
> reference:

For three days now I have been sending.

UNSUBSCRIBE QRP-L messages

to listserv@Lehigh.EDU

It doesn't work.

And I for one am about to burst.....

..... Zim

Date: Fri, 13 Jul 2001 12:43:43 -0500
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [102495] rig blaster
Message-ID: <000701c10bc3\$5dc1e140\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Has any one on the net used a west mountain rig blaster??? just got one for my ts570sg and i am waiting to hear some results before i hook it up.
Thanks dennis smith ne4o. Please email me direct at ne4o@swbell.net

Date: Fri, 13 Jul 2001 13:48:49 -0400
From: John Wagner <john@neknetwork.com>
To: Graeme Zimmer <gzimmer@optushome.com.au>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102496] Re: Unsubscribe info?
Message-ID: <3B4F3481.C593901C@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wish I could help you further, I don't have administrative access to the list to see what's going on.

Just in case, please make sure you:

1. Address the message to: listserv@lehigh.edu
Looks like that much is correct

2. Put: UNSUBSCRIBE QRP-L
in the BODY of the message (common mistake is to put in the subject).

Also, make 100% certain you aren't sending the message as HTML.

If that doesn't work, sorry I can't help further. If it does work please email me directly to let me know that it did.

73 de John, KB1ENS

Graeme Zimmer wrote:

>
> > We have a website with this information. Please bookmark it for future
> > reference:
>
> For three days now I have been sending.
>
> UNSUBSCRIBE QRP-L messages
>
> to listserv@Lehigh.EDU
>
> It doesn't work.
>
> And I for one am about to burst.....
>
> Zim

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 12:51:13 -0500
From: Mike <mmorrow@companet.net>
To: john@neknetwork.com
Cc: qrp-l@lehigh.edu
Subject: [102497] Re: Unsubscribe info?
Message-ID: <3B4F3511.6528@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John, the email address is listproc@lehigh.edu, not listserv.

Mike / KK5F

John Wagner wrote:

>
> Wish I could help you further, I don't have administrative access to the
> list to see what's going on.
>
> Just in case, please make sure you:
>
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> Looks like that much is correct
>
> 2. Put: UNSUBSCRIBE QRP-L
> in the BODY of the message (common mistake is to put in the subject).
>
> Also, make 100% certain you aren't sending the message as HTML.
>
> If that doesn't work, sorry I can't help further. If it does work please
> email me directly to let me know that it did.
>
> 73 de John, KB1ENS
>
> Graeme Zimmer wrote:
> >
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> >
> > to listserv@Lehigh.EDU
> >
> > It doesn't work.
> >
> > And I for one am about to burst.....
> >
> > Zim
>
> --
> John Wagner - john@neknetwork.com
> Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 14:05:40 -0400
From: John Wagner <john@neknetwork.com>
To: mmorrow@companet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102498] Re: Unsubscribe info?
Message-ID: <3B4F3874.74CFD3EA@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

News to me. Please see;

<ftp://qrp.lehigh.edu/pub/listserv/qrp-l/welcome.txt>

"listproc" is not mentioned. But if it works - cool!

FWIW, I've used listserv to postpone the list in the past and it's worked fine.

73 de John, KB1ENS

Mike wrote:

>
> John, the email address is listproc@lehigh.edu, not listserv.
>
> Mike / KK5F
>
> John Wagner wrote:
> >
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> > list to see what's going on.
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> > >
> > > Zim
> >
> > --
> > John Wagner - john@neknetwork.com
> > Web page: <http://www.neknetwork.com>

--
John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 13:21:56 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Cc: hats@stevens.com, hqrp@stevens.com
Subject: [102499] WTB: Rotary Attenuator, 10 dB steps
Message-ID: <4.3.2.7.2.20010713131634.00bd08d0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I would like to find a rotary attenuator for my bench.

I have a Telonic Berkely 8122S-130, rotary attenuator, SMA connections, 0 - 10 dB. in 1 dB steps, approximately 1.25 inches diameter and about 3 inches long.

I'm imagine they make one that's a perfect match, but has 10 dB steps, probably 0 - 60 dB. The two together mounted in a small box will be very compact on my bench.

If you have such an animal and would consider selling it, drop me an email with what you have and price.

The two combined together will give me 1 db steps up to the maximum of the 10 dB attenuator. I use this above 1 ghz. for UHF stuff so I can't really make one that satisfies my requirements. And, of course, its all QRP :-)

Ed, N5EM
n5em@amsat.org

Date: Fri, 13 Jul 2001 13:33:11 -0500

From: Mark R Milburn <mark.milburn@juno.com>
To: ae4ic@nr.infi.net
Cc: qrp-l@Lehigh.EDU
Subject: [102500] Re: List Manager
Message-ID: <20010713.133814.-125383.1.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252
Content-Transfer-Encoding: 7bit

You got that right .. CLA tried to explain things he did, and of course, that was a huge mistake. The rules for the list ought to be posted monthly so everyone knows what they are. Problem members should be dealt with off-list and if they can't be "encouraged" to straighten up and fly right, they should just be cut off. That way all this "he said" and "she said" and justifications and excuses wouldn't have to be in everybody's mailbox and we could save 500 replies saying "me too". However, the list belongs to Jim, so it's his decision, and who in the world would want to be CLA #2 after seeing what happened to CLA #1?

72 mark, KQ0I

On Fri, 13 Jul 2001 12:14:35 -0400 Bob Kellogg <ae4ic@nr.infi.net> writes:
> Guys,
>
> I have to reluctantly go along with the suggestion that we use a
> list
> manager.
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> I've been around a long time, and unlike most of the old timers, I
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> to the daily reflector. As the list became burdensome, they
> dropped

> off one by one. There are a few notable exceptions who still hang
> around, and, as we all know, they contribute heavily to the
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> base of our group.
>
> We once had a list manager who tried very conscientiously.
> Unfortunately, his efforts were met with scorn. It will be very
> difficult to go from an unmanaged list to a managed list because
> the
> management will always reflect the personality or slant of the
> manager. We would have to accept that slant or bias and live with
> it. Many present members might leave a managed list.
>
> Many of the off topic posts are interesting, and it's a shame to
> have
> to control them, but it is possible for an attentive manager to
> handle
> them. It would also be a big job, at least initially, until the
> number of daily posts is reduced.
>
> He would have to use his judgment and we'd have to accept that.
> For
> example, he might allow a "Hey I just got my Extra Class" post,
> but
> allow no replies. That is, replies would have to be private to the
> individual. Same thing with the "My PC's IO ports don't IO" posts.
> Any list member who was having a similar problem with his PC and
> wanted to hear the solution could write the original poster
> privately. Deciding to allow/not allow would be up to the manager
> and
> would not be a topic for discussion.
>
> One of the problems with the previous try at list management was
> that
> the manager tried to be fair and explain his actions. Then, every
> time he made a tough decision there was a big discussion while the
> whole group debated the fairness of it all. He took a terrible
> beating for accepting a tough and time consuming job.
>
> I say we forget that. If someone agrees to take the thankless job
> of
> list manager, and I hope he does, then let's let him manage. If he
> lets us know about particular problems and how he's solved them,
> fine,
> but any comments should be off the list to him only.
>
> --
> 73,

> Bob Kellogg, AE4IC, Greensboro, NC
> Prolobly, not nececelery. - Benny Hill
>
>
>

Date: Fri, 13 Jul 2001 11:42:51 -0700
From: Jim Lowman <jmLowman@ix.netcom.com>
To: nk7m@extremezone.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102501] Re: List Manager
Message-ID: <3B4F412B.AF5093B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Hightower wrote:

>
> Well said, Bob.
>
> But....we haven't heard anything from the list 'owner', Jim Eshleman (sp?).
>
> What's in the future?
>
> Bob NK7M
> ----- Original Message -----
> From: "Bob Kellogg" <ae4ic@nr.infi.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, July 13, 2001 9:14 AM
> Subject: Re: List Manager
>
> > Guys,
> >
> > I have to reluctantly go along with the suggestion that we use a list
> > manager.

Before we start asking for someone to manage the list, how about thinking about who among us we would, collectively, want to have the job.
(No, I'm not volunteering.)

> > We once had a list manager who tried very conscientiously.
> > Unfortunately, his efforts were met with scorn. It will be very
> > difficult to go from an unmanaged list to a managed list because the
> > management will always reflect the personality or slant of the
> > manager. We would have to accept that slant or bias and live with
> > it. Many present members might leave a managed list.

Many present members DID leave the list before, because the last list manager drove them away. We cannot afford to have another egocentric loose cannon like him again.

> >

> > Many of the off topic posts are interesting, and it's a shame to have
> > to control them, but it is possible for an attentive manager to handle
> > them. It would also be a big job, at least initially, until the
> > number of daily posts is reduced.

Filters and delete key work just fine.

> > He would have to use his judgment and we'd have to accept that. For
> > example, he might allow a "Hey I just got my Extra Class" post, but
> > allow no replies. That is, replies would have to be private to the
> > individual. Same thing with the "My PC's IO ports don't IO" posts.
> > Any list member who was having a similar problem with his PC and
> > wanted to hear the solution could write the original poster
> > privately. Deciding to allow/not allow would be up to the manager and
> > would not be a topic for discussion.

That's the problem that we had before...everything should be up for discussion.

> >

> > One of the problems with the previous try at list management was that
> > the manager tried to be fair and explain his actions. Then, every
> > time he made a tough decision there was a big discussion while the
> > whole group debated the fairness of it all. He took a terrible
> > beating for accepting a tough and time consuming job.

One of our memories is short on this; sorry.

> > I say we forget that. If someone agrees to take the thankless job of
> > list manager, and I hope he does, then let's let him manage. If he
> > lets us know about particular problems and how he's solved them, fine,
> > but any comments should be off the list to him only.

Let's really think about this before acting.

72 de Jim - AD6CW

Date: Fri, 13 Jul 2001 13:49:22 -0500

From: Nick Kennedy <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [102502] A Randy Jouett Sampler ...
Message-ID: <01C10BA2.9FD18340.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Randy began his return to QRP-L with a warning, even a taunt, that people had better not "flame" (disagree with) him or he would make big trouble. But in my opinion, nobody can flame Randy Jouett like Randy Jouett. His own words say more about his lack of maturity and social skills than any mean spirited "flamer" ever could.

Let's start with some history. More recent participants may be unaware of Randy's 1999 temper tantrum that got him banned from the list. The problem was that he was unable to dictate to a west coast QRP group how it would handle its convention's compendium. Randy got himself into a foaming-at-the-mouth state of apoplexy and was attacking all of the most hard working and generous members of the QRP community. Sorry I couldn't get his best stuff, but searching that archive disk is tough. Anyway:

30/Sept/99:

IMHO, Doug and others in NorCal are using the Pacificon compendium as bait to make money for their local club and to increase Pacificon attendance. This boost in attendance makes them look good in their promoters' eyes, of course, and is also a major boost to their egos', letting them feel and show that they've "done their part" and the group is better off as a whole. Of course this is a natural thing psychologically.

>From 2/Oct/99:

>to give more? What have YOU given lately besides complaints?

Do a search of the QRP-L CD and archives of lehigh and answer that question yourself. As a matter of fact, do a search of the ENTIRE web and Deja News and answer that question even further! Also take note of the historically significant figures in my family who have contributed to the overall betterment of this country and society as a whole. I come from a LONG line of family that has given and given much!

Also, I posted an idea I had on a neural-network controlled radio, which had MANY professors of electrical engineering and RF design engineers intrigued and curious. I do have "Patent Applied For" status on that idea, by the way. When was that last time YOU proposed an electrical innovation to QRP-L?

[WA5BDU: Now to me, the above excerpt is a classic. I've known some arrogant people in my life, but none could top this. We're not only supposed to know of Randy's great contributions to society, but we're also expected to know of the great accomplishments of his ancestors, and treat him with greater deference as a result. I don't know whether to laugh, cry or just applaud at this one!]

[WA5BDU: Now, we come to the present. Notice the threats and sabre rattling begin even before anyone has responded to any of his posts ...]

7/Jul/01

"For stupid people, I'd have agree with this statement ? try and automate the setup is where these idiots are making their mistake ? PLEASE show this explanation to someone that is stupid enough to waste valuable time contesting ?

9/Jul/01

"?Utter childishness, and that's the way I treat the vast majority of the posters on this reflector ?

10/Jul/01

" ? Ok. I'll give this a shot, but if the flame wars start up over a message like this, then this will absolutely be the last time I post a technical message to this list. ?

10/Jul/01

" ? I know computer science WAY better than you do -- and THEN SOME! Oh, and my MS degrees in Physics and Computer Science and my minors in Music, English, and Math make your pitiful EE degree look like a piece of 4th-grade homework ? Well, I'm tired of this crap, and this is absolutely my last posting to this list ?"

7/11/01

" ? I said this to tick off Laura and put that arrogant, eccentric, 'she knows everything' b***h in her place ?

12/Jul/01

" ? I fear that I'll probably have to start at a very basic level, teaching people Von Neumann architecture and other neophyte-level stuff ? "

[WA5BDU: Gee, Randy. Would you really stoop to teaching the basics to us lower life forms? What a guy!]

12/Jul/01

" ? That's ok. I'll just flame them on the list if they are stupid enough to ? some individual is going to try and take this as their own idea ? let it be known that I have this idea copyrighted and notorized in a Patent Journal from around 2 years ago, and that document is legally binding in court ?"

[Another pre-emptive strike. Threatening lawsuits even before disclosing his brilliant idea. How many rec.radio.antenna readers besides me saw this and thought, "Now QRP-L has its own Fractenna"?]

13/Jul/01

"?I was NOT apologizing to Laura. Truthfully, she does NOT deserve it ? You want to talk about court, fool? Let them try something like this, and we'll see what happens. I'll have my friends at the ACLU on this so fast that your head will spin. Freedom of speech, idiot ?
? I can use all the derogatory remarks that I feel like, and I can even curse up a storm here, and there isn't one thing you can do about it ? Crawl back under your rock and keep your stupid mouth shut, lid ?"

[WA5BDU ...

OK, that brings us up to date. Wouldn't it be great if Randy really did go to the ACLU and tried to force us all to read his drivel? And I hadn't noticed before that he's recently promised twice, "This is my last post."
Too bad he's not a man of his words, eh?.

On Laura. What a disappointment when she dropped out with only one shot fired. When I saw those two collide, I thought great--Laura's the one person that can and will tear this doofus to pieces. True, Laura's responses can be a little short, and she's often openly contemptuous of ideas that aren't absolutely state of the art, but she looks like Miss Manners compared to Randy. Plus I get the idea that she knows what she's talking about technically. I don't get that idea about Randy. But if we locked 'em both in a big box for 24 hours, my money says Laura is the one that would come out alive. I'm not even gonna comment on the slur he used. He said somewhere that he's in his early 40's, but emotionally Randy is still in high school.

What about the technical stuff? Well, I don't see any content there.

Randy is what I'd term a jargon parrot. He hangs around the big guys, skims some technical journals, surfs tech web sites and puts all the jargon he picked up (but doesn't understand) into a blender and spits it back out.

Anybody can do it--it's easy and fun. "I've got an idea for a robot. It will design and build Randy's DSP doohickey all by itself, but it will also bring me beer and mow the lawn. It will use servomechanisms, micromachines, 32 bit DSP, neural networks, wavelets, Fast Fourier Transforms, fuel cells, a box of Pentiums, VLSI, VVLSI, VVVLSI!!, you name it! If it's new and trendy and state-of-the-art, it'll be in there. I'll leave it for you less creative types to flesh out the details, do the programming and hook everything together. And if you doubt me, you're a bunch of idiots and I'm gonna sue ..." See how easy that was? Try it yourself.

So what's the point of all this? I don't know. I know a lot of people are already sick of comments about Randy, and I'm sorry that I'm piling on.

Randy dared the group to flame him, and I guess I couldn't resist taking the dare. I don't have a solution as to whether we need a moderator or not.

My guess is that this is a cyclical thing, like a plague of locusts or a new strain of the flu. After a few weeks or months, when he's finally been denounced by the last person on QRP-L he'll move on and make intelligent discourse impossible on some other group or list. And then I hope the people who've left in disgust will begin coming back to QRP-L.

72--Nick, WA5BDU

Date: Fri, 13 Jul 2001 12:05:16 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [102503] Re: A Randy Jouett Sampler ...
Message-ID: <F1130L93LNy6mHwLNAX00002158@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Interesting 'sampler'...say, you don't have 'Randy Jouett...Unplugged', do you?

;)

Everybody have a good weekend...hope we make it through Friday the 13th,

John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 13 Jul 2001 15:07:09 -0400
From: dmaliniak@penton.com
To: qrp-l@lehigh.edu
Subject: [102504] My one and only comment on the flap
Message-ID: <OFF32D7EF0.894301C5-0N85256A88.0068AD90@penton.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Nick:

To add one point... I wonder if the individual at the center of all this fuss is even aware that the person he referred to as a "lid" and who he challenged to "add some signal" to the discussion (or words to that effect) is a QRP Hall of Famer? One with accomplishments to his credit that mean something (or should) to the recipients of this list traffic?

72,
David, AD2A
Glen Rock, NJ

Date: Fri, 13 Jul 2001 19:16:29 +0000
From: Brian Short <k7on@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [102505] This Is Insane
Message-ID: <5.1.0.14.0.20010713184141.00b39680@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I hate to be another of those announcing their departure (and likely nobody cares or those who do are glad ;), but I am leaving this mailing list.

I don't have a solution to suggest nor an agenda. It is impossible to force some people to show good taste.

As we know, the internet has attracted large numbers of new users and penetrated all socio-economic strata. QRP-L being one of the more Populist mailing lists seems to have penetrated most.

It is my observation that those of us in the USA seem to be the worst offenders of mailing list decorum. Personally, I have un-subscribed

from almost every amateur radio mailing list in the past couple years and find that I have more time to operate, or read, or experiment, etc. I don't think I have missed much.

I do still subscribe to a couple non-amateur radio related mailing lists and they are generally a pleasure.

Someone recently alluded to freedom of speech issues. Let me just say that freedom of speech must be defended at all costs on the "internet" and everywhere else. BUT, using "private" facilities and equipment with posted acceptable use policies is a privilege granted by the "owners" of such facilities (mailing list servers, etc).

Any provider of internet services can impose acceptable use policies. Likewise, anybody and their grandmother can go buy THEIR OWN server if they wish.

Again, it is impossible to force some people to show good taste. It is not just a couple people who offend me, either. It is all of those who find it necessary to beat the bloody dead horse over and over and over and over...

Call it entropy, or just plain "the masses are asses."

Bon Voyage

--

"All of human history, adequately examined, in the end is the history of better tools." Ernst Kapp, 1877

--

mailto:k7on@earthlink.net >or< <http://www.qsl.net/k7on/>

--

Date: Fri, 13 Jul 2001 01:47:15 -0400
From: Jim - qrp/cw <kw3u@warwick.net>
To: low pwr qrp <qrp-l@lehigh.edu>
Subject: [102506] Moderation
Message-ID: <3B4E8B62.73FC8218@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all;

I will make only one post on this; I very seldom post except to

give

a tip on something or sell an item, or make a meaningful announcement of some sort ; as I believe most qrp- lers do, otherwise there would probably be 3000 posts a day?

I would simply say no to a list manager, I can use the power of message filters, by using 'sender is' I have reduced an amazing amount of trash(in my opinion). I prefer not to filter by subject(example:radio shack - now you would miss those great posts about clearance deals) use the author.

Now I am happy and those who enjoy reading rec.radio.misc. type rants can still have them. Everyone is a winner. However, it would be nice to have a way to remove someone who goes waaaaaaay overboard.

If you can learn 5wpm you can learn filters.

72 jim kw3u

Date: Fri, 13 Jul 2001 12:30:54 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [102507] Fwd: FS: Sierra
Message-ID: <20010713193054.70603.qmail@web11602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The sierra has been spoken for. Thanks for all the responses.

- Gary

--- Gary Slagel <gdslagel@yahoo.com> wrote:
> Date: Fri, 13 Jul 2001 10:09:45 -0700 (PDT)
> From: Gary Slagel <gdslagel@yahoo.com>
> Subject: FS: Sierra
> To: QRP L <qrp-l@Lehigh.EDU>
>
> Finally got a K2 so its time to sell my old friend
> the
> sierra.
>
> Comes with 15/17/20/30/40 band modules. KC2 digital

> display & keyer installed. Noise blanker. Has the
> Funk amplifier installed so it gets 5 watts or more
> out. Also has a pot installed on the rear panel so
> you can vary the power out on the fly! Very nice
> shape electronically and cosmetically.
>
> Not sure what these are worth now days so we'll go
> for
> \$250.
>
> Thanks, Gary
>
> =====
> Gary Slagel/N0SXX
> Conifer, CO 80433
> gds slagel@yahoo.com
> Personal Website:
> <http://marina.fortunecity.com/sanpedro/351>
>
>
> -----
> Do You Yahoo!?
> Get personalized email addresses from Yahoo! Mail
> <http://personal.mail.yahoo.com/>
>

=====
Gary Slagel/N0SXX
Conifer, CO 80433
gds slagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Fri, 13 Jul 2001 15:22:16 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [102508] Re: List Manager
Message-ID: <3B4F4A68.D86808D7@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One point most people have forgotten about Cla is that he did most of his moderating in PUBLIC. It was like he thought that if he embarrassed or ridiculed people enough he would solve the problem.

Almost any child psychologist can tell you the error of that approach in trying to correct behavior!

If you want to see a really good example of a moderated list look at the old radios list. If a bad posting is received only the header is transmitter with a simple statement that "the rest of this message has been deleted". Any issues are taken care of in PRIVATE between the moderator and the sender.

I admit it is rare to see bad behavior over there, or bad language. The majority of problems come from HTML in the postings.

For this list I would suggest a committee of moderators working in concert with each other. I don't think they would have to do it very long. The greatest majority of list members want a place where they can ask questions and get advice. Personally I also want a list that is courteous and does not use slang names to describe persons or places too.

73

Date: Fri, 13 Jul 2001 15:45:05 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [102509] SATIRE: Rolling it out again (QRP-L Pie)
Message-ID: <Pine.OSF.4.21.0107131542330.1640-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got a few requests for this QRP-L "Golden Oldie" and having read it again, it still hits home... check the date of this original post!

----- Forwarded message -----
Date: Mon, 19 Aug 1996 11:41:38 -0400 (EDT)
From: Paul R. Valko <prvalko@Oakland.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: The Whole Pie! <long but worth it>

I received MANY requests for the whole QRP-L Pie in four hours. Hit delete NOW if this is not your cup-o-tea.

PREFACE: QRP-L has its ups and downs every year. Summer is a pretty weak period for QRP activities and it seems that the signal to noise ratio on QRP-L gets tilted towards noise :-)

There have been several publicly written flame wars and just a lot of trash and the "problem" seems to be growing... to the point that the following quote made me wax lyrically.

BTW: this is not directed at any ONE individual either - we all (including me!) need a gentle reminder to all to keep QRP-L one of the friendliest places on the net.

Now with appologies to Don MacLean...

Q R P - L P I E
by: wb8zjl

Prelude: Since your mind is set in concrete, I guess the discussion is over.
Don't bother to reply as you will be directed to dev/nul.

A long, long time ago,
I can still remember how
QRP-L used to make me smile.
And I knew if I had a chance
For at my postings, you should glance,
That maybe you'd be happy for a while.
But February made me shiver,
Those Fox Hunt reports made us quiver.
Hope you took them in stride
To dev null, they'd nev-er hide.
I can't remember if I cried
Over all those rotten limericks tried
But these emotions I can't hide,
The day QRP-L died.
So we are singing...

[Refrain]
Bye bye all you flamers bye bye!
All you net cops would you please drop
your subscription? My my!
You good ol' boys please just take leave (with your noise)
Singing "This'll be the day that I try..."

"This'll be the day that I try..."

(Verse 2) -up tempo-

Chuck didn't start this group
To give you a place to fling your poop.
If to whining you must stoop...
Now do you believe in QRP?
Or do you simply want to flame me?
And please, take off, your CAPS LOCK ke-y.
Well I know your flaming makes you proud
'Cause it really seems to draw a crowd.
You both have dropped your gloves
Try not to be hawks and be doves.
Whoooooooo!
I was a lonely teenage novice op
With a crystal rig missing its top
And a nasty chirp I could not stop
The day QRP-L died.
I started singing...
Refrain

(Verse 3)

And for two years we were on our own
With the T M P S (not on Phone)
A contest on thirty? No!
Some jokers' switching power supply thread
Once had the list group seeing red
And that, died down too, you know?
Oh, and once the last Fox Hunt was through
I did not mail the mugs out to
The hams that'd justly won
Finding boxes for them isn't fun.
And while some debate C W
The tech-lites population grew.
We ran the mode that we all knew
The day, QRP-L died.
We all were singing...
Refrain

(Verse 4)

Like Gump's feather we dropped the Dayton Weather
But resubscribed 'cause even it got better.
When they moved the date to Maaaaaaaaaay!
WHAM! Subscribers joined en-mass
As the word got out, "This list's a gas!"
And, "QRPers have a blast!"
Now bad habits are, like, etched in stone,
And USENET lowlifes brought theirs to our home!

I thought, "Who invited them?"
This nastiness has a stem!
Oh, yeah, sometimes we'd had our fights
like, I'm against antennas up on kites!
But because that's dumb, doesn't make ME right,
The day QRP-L died.
We started singing...
Refrain

(Verse 5)
I've been here almost since day one
And goodness me it's sure been FUN
Though recently began to sour.
If you thought that I'd just sit by
And watch this list group slowly die,
You've got another thought to think.
We could do with a LOT less scandal
If you guys'd reached for the orange handle
On the morning coffee pot.
It's worth it, hey, take a shot!
So all SPAMMERS, Net Cops, Whiners too,
We really have no use for you.
Send to listserv at lehigh dot E D U
unsubscribe qrp-l
Then we'll be singing
Refrain

(Verse 6) -slowly-
A note read here was filled with hate
Because the QRPP was late
Shaking my head, I typed a "D."
Then tuned 'round seven dot oh four
Where I'd heard some weak ones once before
But found some spanish-speaking LSB.
In usenet groups the people SCREAM
But here we talk and joke and dream
Of sunspots long been missing
And Altoids for pre-kissing!
The three rigs I admire most
Were not shipped from some foreign coast.
Homebrew one so you too can boast.
The day QRP-L died
Join me in singing...
Refrain 2x

73! =paul= wb8zjl

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 13 Jul 2001 15:48:17 -0400
From: John Wagner <john@neknetwork.com>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102510] Re: List Manager
Message-ID: <3B4F5081.144E3D74@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Egads - I'm posting on this subject - please stop me...

I feel I must step in for Cla's defense though.

He DID NOT (as I recall anyway) moderate individuals in public. He did declare certain threads to be OT and ask that they cease.

He DID privately ask people to stop posting to certain threads.

I thought he did a FANTASTIC job moderating this list. Some people took exception to anyone telling them what to do and had a huff about it. Given the moderated list (with Cla doing it) and the current state of affairs - give me the moderated list ANYTIME.

I am personally appalled that people are posting things here in a derogatory manner about Cla - the message quoted below and one sent previously in which Cla was referred to in a less-than glowing manner are two such examples.

You should be ashamed of yourselves.

Cla has helped me NUMEROUS times and posted NUMEROUS valuable contributions to this list. He tried to do a thankless job and got attacked, and continues to be attacked for it. I'm sure everyone has their own way of doing things; it doesn't mean one way is more right than the other. We all make mistakes, Cla not withstanding. Nobody is perfect... and all that. I would hope that anyone who feels they need to unload on Cla think a little more before doing it.

Apologies for adding to the noise here.

73 de John, KB1ENS

Bruce Muscolino wrote:

>
> One point most people have forgotten about Cla is that he did most of
> his moderating in PUBLIC. It was like he thought that if he embarrassed
> or ridiculed people enough he would solve the problem.
>
> Almost any child psychologist can tell you the error of that approach in
> trying to correct behavior!
>
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> old radios list. If a bad posting is received only the header is
> transmitter with a simple statement that "the rest of this message has
> been deleted". Any issues are taken care of in PRIVATE between the
> moderator and the sender.
>
> I admit it is rare to see bad behavior over there, ot bad language. The
> majority of problems come from HTML in the postings.
>
> For this list I would suggest a committee of moderators working in
> concert with each other. I don't think they would have to do it very
> long. The greatest majority of list members want a place where they can
> ask questions and get advice. Personally I also want a list that is
> courteous and does not use slang names to describe persons or places
> too.
>
> 73

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Fri, 13 Jul 2001 11:58:36 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [102511] Filters do work very well on QRP-L
Message-ID: <3B4F52EC.E59EC972@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I am up to 28 subject filters now and one email address filter on these

recent detracting threads. QRP-L is just wonderful with my filters in place. The topics are mostly on track now.

I choose to stay "on" the QRP-L mail reflector because this is where all the majority of the really good people are. Nobody and no subject will be granted the power to make me leave.

Sorry, folks, I really like and enjoy 99.9 percent of you and you just can't get rid of me that easily. ;-) :-)

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Fri, 13 Jul 2001 15:30:34 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: ekdave@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [102512] Re: Looking for a design for an absolute-reading SWR meter for p
Message-ID: <200107132001.f6DK1oZ13174@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> For a while now I've been in search of a design for an SWR meter which is
> extremely compact (for backpacking) but which reads absolute SWR (at least

Dave,

I built a resistive bridge, you can find the circuit in one of the W1FB notebooks and other places. I used an edgewise meter from a junk CB set. I fit it in a 2.5" x 2.5" x 1" box I bent up out of thin alum. Weighs a few oz. The meter isn't calibrated, but could be done with out much trouble. It's good enough to tell me if I have a good, marginal or poor match. I don't really need to know what the exact SWR is. There's a SPDT switch on the back of the box to switch the bridge in and out, and I added an extra diode and a switch on the front to let me see forward power- also uncalibrated, but lets me know if I'm actually putting out power and when my batteries are starting to go dead.

72,

Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"

<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 13 Jul 2001 13:09:35 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102513] Phase noise DDS Vs. Analog VFO
Message-ID: <00d801c10bd7\$c9ab3780\$709ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Guys and Gals,

I've been playing around with an Analog Devices AD9835 DDS lately to use as a general purpose VFO and have a couple of questions concerning phase noise. First, how do I accurately measure it, and secondly how does it compare with a more traditional analog VFO in respects to phase noise. I know that several of you have used this chip in various projects, so I was wondering if anyone had some data on this. Thanks in advance...

72/73
Trev
KG6CYN

Date: Fri, 13 Jul 2001 13:05:46 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "QRPL (E-mail)" <qrp-l@lehigh.edu>
Subject: [102514] FW: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <1D74B9231259D511B1AA0002B32C2896150AF0@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Thanks for the information folks have sent me. What has been proposed is to take the noise figure and subtract it from -204 dbW/Hz (easier to get RMS volts from than using -174 dbm/Hz) and change to watts it by $10^{*(dbW/Hz/10)}$. This gets Watts/Hz. Since $P = V^2/R$, multiply by 50 ohms (or whatever the impedance is) and take the square root. That should give V/SqrtHz.

Trying this out for a 10 db n.f.:

$-204 + 10 = -194 \text{ dBW/Hz}$
 $10^{(-194/10)} = 3.98 \times 10^{-20} \text{ watts/Hz}$
 $\text{Sqrt}(3.98 \times 10^{-20} \times 50) = 1.41 \text{ nV/SqrtHz}$

However, for a 50 ohm resistor, I also know:

$0.13 \times \text{Sqrt}(50) = 0.92 \text{ nV/SqrtHz}$.

Therefore, 1.41 nV/SqrtHz just does not "look" right for a 10 db n.f. when compared to 50 thermal noise of 0.92 nV/Sqrt.

In fact, taking just thermal noise itself, -204 dBW, gives:

$3.98 \times 10^{-21} \text{ W/Hz}$, or 0.44 nV/SqrtHz. From the above, I think this should really be 0.9 nV/SqrtHz.

So something is not right here. It looks like a factor of two off. My calculations above assume voltage in terms of RMS, using peak voltage would add another factor of two, but I believe that noise is specified in RMS.

Any ideas?

- Dan, N7VE

Date: Fri, 13 Jul 2001 13:27:55 -0700
From: Beth Gardner / Dan Maguire <BethDan@pacbell.net>
To: qrp-l@Lehigh.EDU
Subject: [102515] Re: Looking for a design for an absolute-reading SWR meter for portable use
Message-ID: <3B4F59CB.29FB@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

W7ZOI wrote:

> ... Then the
> meter, if calibrated for a 0 to 1 reading, will show voltage reflection
> coefficient. This is directly and linearly related to VSWR, so a scale
> could be added to the meter. ...

If you'd like to see a picture of such a dual-scale meter, surf on over to

<http://www.qsl.net/ac6la/stss.html>

Although this web page is really on a different (but related) topic, the

second "panel" shows just what Wes was talking about. The reflection coefficient (ρ) scale runs from 0 to 1 and the SWR scale runs from 1 to Infinity.

73,
Dan AC6LA

Date: Fri, 13 Jul 2001 14:34:04 -0600
From: "Rod Cerkoney, NØRC" <rod@nØrc.com>
To: <mark.milburn@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102516] Re: List Manager
Message-ID: <005f01c10bdb\$28d278b0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Mark, et. al.

----- Original Message -----
From: "Mark R Milburn" <mark.milburn@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, July 13, 2001 12:33 PM
Subject: Re: List Manager

> You got that right .. CLA tried to explain things he did, and of course,
> that was a huge mistake. The rules for the list ought to be posted
^^
> monthly so everyone knows what they are. Problem members should be dealt
^^

THIS IS A VERY IMPORTANT POINT!

I think it's time for some kinda "list leader" may a small group of list leaders. If someone posts offensively, or blatant against guidelines, it's dealt with off-line be the "leadership council".

For events like the most current, the poster should be suspended pending review.

73, Rod NØRC

Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Fri, 13 Jul 2001 15:36:52 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102517] Use Peer Pressure
Message-ID: <00a901c10bdb\$a9f91020\$0101a8c0@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

I have to give my one and only public comment on this. Everyone that thinks an objectionable post has been made should send an email to the offender with <PLONK> in the body text. PLONK is the cyber-sound of all your bits of every byte hitting /dev/null (the old bit-bucket). Then set up a filter, it really is easy to perform.

After getting 2000 or so "Plonks," the offender should get the gist of things.

Here is hoping for better Netiquette in the coming Century...

Terry KA9TXE East Central Illinois

Date: Fri, 13 Jul 2001 16:40:11 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102518] Re: A Randy Jouett Sampler ...
Message-ID: <00ef01c10bdc\$03982da0\$3294fea9@robertpa>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This post is no different than what went on a few days ago. Some of you are just hippocrates! You say personal attacks are not welcome well what the hell is this?

If you want your 15 mins of fame then do it off line.

This is turning into a hate list!

How about opening up a book or two learn something that is benificial to this list and quit being trouble instagator!

This should have been over long ago so let it be!

If you just can't help yourself, then e-mail direct and leave the list alone PLEASE! I'm sure the other party would love to hear your ramblings!

Regards,
Robert
VE3RPF

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, July 13, 2001 2:49 PM
Subject: A Randy Jouett Sampler ...

> Randy began his return to QRP-L with a warning, even a taunt, that people
> had better not "flame" (disagree with) him or he would make big trouble.
> But in my opinion, nobody can flame Randy Jouett like Randy Jouett. His
> own words say more about his lack of maturity and social skills than any
> mean spirited "flamer" ever could.
>
> Let's start with some history. More recent participants may be unaware of
> Randy's 1999 temper tantrum that got him banned from the list. The
problem
> was that he was unable to dictate to a west coast QRP group how it would
> handle its convention's compendium. Randy got himself into a
> foaming-at-the-mouth state of apoplexy and was attacking all of the most
> hard working and generous members of the QRP community. Sorry I couldn't
> get his best stuff, but searching that archive disk is tough. Anyway:
>

> 30/Sept/99:

> IMHO, Doug and others in NorCal are using the Pacificon
> compendium as bait to make money for their local club and
> to increase Pacificon attendance. This boost in attendance
> makes them look good in their promoters' eyes, of course,
> and is also a major boost to their egos', letting them feel
> and show that they've "done their part" and the group is
> better off as a whole. Of course this is a natural thing
> psychologically.

>

> >From 2/Oct/99:

> >to give more? What have YOU given lately besides complaints?

>

> Do a search of the QRP-L CD and archives of lehigh and answer
> that question yourself. As a matter of fact, do a search of the ENTIRE
> web and Deja News and answer that question even further! Also take
> note of the historically significant figures in my family who have
> contributed
> to the overall betterment of this country and society as a whole. I come
> from a LONG line of family that has given and given much!

>

> Also, I posted an idea I had on a neural-network controlled radio,
> which had MANY professors of electrical engineering and RF
> design engineers intrigued and curious. I do have "Patent Applied
> For" status on that idea, by the way. When was that last time YOU
> proposed an electrical innovation to QRP-L?

>

>

> [WA5BDU: Now to me, the above excerpt is a classic. I've known some
> arrogant people in my life, but none could top this. We're not only
> supposed to know of Randy's great contributions to society, but we're also
> expected to know of the great accomplishments of his ancestors, and treat
> him with greater deference as a result. I don't know whether to laugh,
cry
> or just applaud at this one!]

>

> [WA5BDU: Now, we come to the present. Notice the threats and sabre
> rattling begin even before anyone has responded to any of his posts ...]

>

> 7/Jul/01

> "For stupid people, I'd have agree with this statement ? try and automate
> the
> setup is where these idiots are making their mistake ? PLEASE show this
> explanation to someone that is stupid enough to waste valuable time
> contesting ?

>

> 9/Jul/01

> "?Utter childishness, and that's the way I treat the vast majority

> of the posters on this reflector ?

>

> 10/Jul/01

> " ? Ok. I'll give this a shot, but if the flame wars start

> up over a message like this, then this will absolutely

> be the last time I post a technical message to this

> list. ?

>

> 10/Jul/01

> " ? I know computer science

> WAY better than you do -- and THEN SOME! Oh, and

> my MS degrees in Physics and Computer Science and

> my minors in Music, English, and Math make your pitiful EE

> degree look like a piece of 4th-grade homework ? Well,

> I'm tired of this crap, and this is absolutely

> my last posting to this list ?"

>

> 7/11/01

> " ? I said this to tick off Laura

> and put that arrogant, eccentric, 'she knows

> everything' b***h in her place ?

>

> 12/Jul/01

> " ? I fear that I'll probably have to start at a very basic level,

> teaching people Von Neumann architecture and

> other neophyte-level stuff ? "

>

> [WA5BDU: Gee, Randy. Would you really stoop to teaching the basics to us

> lower life forms? What a guy!]

>

>

> 12/Jul/01

> " ? That's ok. I'll just flame them on the list if they

> are stupid enough to ? some individual is going to try and take

> this as their own idea ? let it be known that I have this idea copyrighted

> and notarized in a Patent Journal from around 2 years

> ago, and that document is legally binding in court ?"

>

> [Another pre-emptive strike. Threatening lawsuits even before disclosing

> his brilliant idea. How many rec.radio.antenna readers besides me saw

this

> and thought, "Now QRP-L has its own Fractenna"?]

>

>

> 13/Jul/01

> " ? I was NOT apologizing to Laura. Truthfully, she does NOT

> deserve it ? You want to talk about court, fool? Let

> them try something like this, and we'll see what happens.

> I'll have my friends at the ACLU on this so fast that your
> head will spin. Freedom of speech, idiot ?
> ? I can use all the derogatory remarks that I feel
> like, and I can even curse up a storm here, and there
> isn't one thing you can do about it ? Crawl back under your
> rock and keep your stupid mouth shut, lid ?"
>
> [WA5BDU ...
>
> OK, that brings us up to date. Wouldn't it be great if Randy really did
go
> to the ACLU and tried to force us all to read his drivel? And I hadn't
> noticed before that he's recently promised twice, "This is my last post."
> Too bad he's not a man of his words, eh?.
>
> On Laura. What a disappointment when she dropped out with only one shot
> fired. When I saw those two collide, I thought great--Laura's the one
> person that can and will tear this doofus to pieces. True, Laura's
> responses can be a little short, and she's often openly contemptuous of
> ideas that aren't absolutely state of the art, but she looks like Miss
> Manners compared to Randy. Plus I get the idea that she knows what she's
> talking about technically. I don't get that idea about Randy. But if we
> locked 'em both in a big box for 24 hours, my money says Laura is the one
> that would come out alive. I'm not even gonna comment on the slur he
used.
> He said somewhere that he's in his early 40's, but emotionally Randy is
> still in high school.
>
> What about the technical stuff? Well, I don't see any content there.
> Randy is what I'd term a jargon parrot. He hangs around the big guys,
> skims some technical journals, surfs tech web sites and puts all the
jargon
> he picked up (but doesn't understand) into a blender and spits it back
out.
> Anybody can do it--it's easy and fun. "I've got an idea for a robot. It
> will design and build Randy's DSP doohickey all by itself, but it will
also
> bring me beer and mow the lawn. It will use servomechanisms,
> micromachines, 32 bit DSP, neural networks, wavelets, Fast Fourier
> Transforms, fuel cells, a box of Pentiums, VLSI, VVLSI, VVVLSI!!, you name
> it! If it's new and trendy and state-of-the-art, it'll be in there. I'll
> leave it for you less creative types to flesh out the details, do the
> programming and hook everything together. And if you doubt me, you're a
> bunch of idiots and I'm gonna sue ..." See how easy that was? Try it
> yourself.
>
> So what's the point of all this? I don't know. I know a lot of people
are

> already sick of comments about Randy, and I'm sorry that I'm piling on.
> Randy dared the group to flame him, and I guess I couldn't resist taking
> the dare. I don't have a solution as to whether we need a moderator or
not.
> My guess is that this is a cyclical thing, like a plague of locusts or a
> new strain of the flu. After a few weeks or months, when he's finally
been
> denounced by the last person on QRP-L he'll move on and make intelligent
> discourse impossible on some other group or list. And then I hope the
> people who've left in disgust will begin coming back to QRP-L.
>
> 72--Nick, WA5BDU
>
>
>

Date: Fri, 13 Jul 2001 16:42:57 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <fxtech@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [102519] Re: Phase noise DDS Vs. Analog VFO
Message-ID: <010601c10bdc\$6655e360\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Trev;

Have you checked the spec sheet. There should be an indication of phase
noise min and max or are you interested in the overall phase noise at the
output of your circuit?

Cheers,
Robert
VE3RPF

----- Original Message -----
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, July 13, 2001 4:09 PM
Subject: Phase noise DDS Vs. Analog VFO

> Hi Guys and Gals,

>
> I've been playing around with an Analog Devices AD9835 DDS lately to use
as
> a general purpose VFO and have a couple of questions concerning phase
noise.
> First, how do I accurately measure it, and secondly how does it compare
with
> a more traditional analog VFO in respects to phase noise. I know that
> several of you have used this chip in various projects, so I was wondering
> if anyone had some data on this. Thanks in advance...
>
> 72/73
> Trev
> KG6CYN
>

Date: Fri, 13 Jul 2001 13:45:35 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: AL7FS@pobox.alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102520] Re: Filters do work very well on QRP-L
Message-ID: <3B4F5DEF.69D4AAC8@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Larsen AL7FS wrote:

>
> Greetings from Alaska,
>
> I am up to 28 subject filters now and one email address filter on these
> recent detracting threads. QRP-L is just wonderful with my filters in
> place. The topics are mostly on track now.
>
> I choose to stay "on" the QRP-L mail reflector because this is where all
> the majority of the really good people are. Nobody and no subject will
> be granted the power to make me leave.

Couldn't agree more, Jim! Leaving a list is not the solution. We have
already lost some of our best, but where did they go?

Just today I replied to a message on the qrp@yahoogroups.com list that
asked if there was still anyone on the list. I have seen no replies.
This is one of many QRP-related lists that were started or reactivated
during the last list manager flap, and which lie dormant now that the

fracas has subsided.

Face it...the action is, and always has been, on QRP-L. Given enough time, it will return to its old self again.

Since QRP-L has such a large volume of traffic, I read through the subjects each day, opening only those messages that are of interest. Some are so good that I move them to an "archive" folder for future reference. Then a <CTRL-A> sequence highlights the remaining messages for disposition in the bit bucket. Works for me; YMMV. Oh, and my daily volume averages 300 messages.

On the mailing lists that I manage, there is the occasional rare problem and a few will always make a big production about leaving. I sometimes check the member list a week or so later and, to no one's surprise, some will still be there, simply watching what goes on without comment.

> Sorry, folks, I really like and enjoy 99.9 percent of you and you just
> can't get rid of me that easily. ;-) :-)

Agreed, also. I wish that more of the "greats of QRP" who have left would have adopted this philosophy.

72 de Jim - AD6CW

Date: Fri, 13 Jul 2001 13:51:20 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <JOCSAN@chab.minbas.cu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102521] Re: OT - MMana
Message-ID: <005e01c10bdd\$935d5590\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

That's another mystery I've yet to solve. I have been looking for a way to see continuous SWR curves over a wide range of frequencies (for a multi-band antenna, of course) but haven't figured it out yet. Anybody else?

=====
Bill Jones - <><
Sanger, California
=====

----- Original Message -----
From: "Jocs n D az L pez" <JOCSAN@chab.minbas.cu>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, July 13, 2001 5:05 AM
Subject: OT - MMana

> Hello!
>
> I am having problems plotting the SWR. I can't see anything. Any
suggestion?
>
>
> 73 and DX, C03J0 - Joc
>

Date: Fri, 13 Jul 2001 14:51:47 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <fxtech@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102522] Re: Phase noise DDS Vs. Analog VFO
Message-ID: <Pine.LNX.4.33.0107131438410.1992-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trevor, I can't talk about the AD9835 but can talk about phase noise that's going to be a fact with ANY Phase-lock device. It turns out that a phase locked loop is not stable. The lock point of the phase changes often with the generation of a packet of noise.

My radio of choice is the Kenwood TS-50 which has 3 phase locked loops and according to the ARRL Lab it's phase noise is terrible! But it is rather low level and I don't see any real drawback to the noise in an HF noise environment. The band noise is well above the phase noise. If you remove the antenna then you can see it and hear it.

To have zero phase loop noise you need to have zero phase locked loops. Ten Tec makes radios like that. The k1 and k2 have no phase locked loops so their receivers get good reports.

I have never measured phase noise so would ask the ARRL Lab how they do it.

On Fri, 13 Jul 2001, Trevor Jacobs wrote:

> Hi Guys and Gals,
>
> I've been playing around with an Analog Devices AD9835 DDS lately to use as
> a general purpose VFO and have a couple of questions concerning phase noise.
> First, how do I accurately measure it, and secondly how does it compare with
> a more traditional analog VFO in respects to phase noise. I know that
> several of you have used this chip in various projects, so I was wondering
> if anyone had some data on this. Thanks in advance...
>
> 72/73
> Trev
> KG6CYN
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 13 Jul 2001 14:01:54 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [102523] Kool K1/KBT1
Message-ID: <F234YAPNXRPMcarcR4Z000021c6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Now that I worked through minor bugaboo's with the K1 battery option, I am really hot-to-go for a portable run somewhere this weekend. Hope my chores cooperate!

Once the battery option is installed, the K1 is about the coolest looking rig around. Everything is really packed in there...ATU, NB, batteries...I can hardly wait to show it off tomorrow morning at our local qrp gathering! Yes, even my K2 is a little jealous...

Tonight Glenn WA7SPY and I are planning a K1/KBT1 to K1/KBT1 qso on 40m...both running approx 3 watts as per the manual. Last night, I fired the K1 up at 5pm on a full charge and by midnight my voltage was still at 9.9v...mostly listening however.

The K1 speaker vibration on strong signals was bugging me a little. Wayne pointed out that the non-metallic material of the speaker rests against the top, not metal on metal. But I tried a fine bead of clear

silicon
around the leading edge anyway. Don't waste your time, it didn't improved
the
vibration/resonating...

BUT, I did do something else and got good results. As supplied from
Elecraft, the speaker rests on a foam rubber 'O' ring...however,
there is still some metal on metal contact as the speaker sits in the
assembly's cut-out. To buffer this, I placed a small folded over piece of
kitchen Saran wrap over the cut out before pushing the speaker into place.
Now
there's no more metal to metal contact...and it really has seemed to fix my
vibrating speaker problem. YMMV!

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 13 Jul 2001 17:04:40 -0400 (EDT)
From: Stephan Greene <sgreene@patriot.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102524] SUMMARY: Re: Fixing A Messed up R8 Antenna
Message-ID: <Pine.LNX.4.10.10107131651220.32312-100000@tzion.greene.lan>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After a few days of tests and coast-to-coast email exchanges, I'd like to
thank everyone who replied with suggestions on resolving my friend's
problem.

On Thu, 12 Jul 2001, Stephan Greene wrote:

> A friend who is a new ham (passed Tech and General within about a month)
> and a budding QRP'r is having problems with his new Cushcraft R8. The
> antenna is showing ridiculous SWR readings across all bands. I'm not going
> to burden the list with the details; I will forward his email off-list to
> anyone who thinks they can help.

It appears to be a bad matching box - one of the torroids was not
mechanically attached to the circuit board and broke loose, breaking one

set of wires in the process. He has contacted CushCraft for a replacement before he tries reconnecting the wires himself.

tests/suggestions taken included:

- acquiring an MFJ antenna bridge to test things w/o risking the rig
- placing dummy load at end of feedline and substituting known-good feedline and known-good antenna (borrowed a hamstick).

These tests eliminated the feedline as an issue and isolated the problem to the antenna itself.

- connecting MFJ analyzer direct to antenna input and taking measurements from 40-6M.
- removing matching network and connect MFJ to antenna.

Other suggestions:

- Careful inspection of all mechanical assemblies and joints
- Careful inspection of correct assembly (right pieces, right orientation,...)

72/73 & Thanks, gang!

Steve

Stephan A. Greene sgreene@patriot.net
HAM: KA1LM@amsat.org QRP-L #232 Grid FM18hx 38 59'83.33"N 77 23'6.15"W

Date: Fri, 13 Jul 2001 15:14:57 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Glenn Maclean <wa7spy@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102525] Re: QRP Full Gallon?
Message-ID: <Pine.LNX.4.33.0107131511470.1992-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Glenn, Perhaps I am missing something but I work on the idea that 5 watts is a full QRP Gallon. When you have a QRO transmitter capable of making 10 watts, you need to have a reliable power meter that lets you reset the power out to 5 watts.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 13 Jul 2001 17:15:05 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <k7on@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102526] Re: This Is Insane
Message-ID: <000a01c10be0\$e69e5300\$6a71ccd8@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All ,

Maybe I'm missing something but I just haven't seen the problems you are all worked up about.. if an individual does not like a particular thread by all means delete it. Why get so worked up over nothing..
just don't see the reason for people to leave such a fine list as this..

Maybe we all need a little thicker skin. I do take exception to off color comments and just plan low nasty language but again I have the Power to read the postings I want and to ignore those I don't ..

Lets all step back and remember this is just a Hobby not a debate over life and death issues.

just my 2 cents worth, and if you disagree that's fine just use the delete button.

72 Dave KC1DI/qrp

----- Original Message -----

From: "Brian Short" <k7on@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, July 13, 2001 3:16 PM
Subject: This Is Insane

>
> I hate to be another of those announcing their departure (and likely
> nobody cares or those who do are glad ;), but I am leaving this mailing
> list.
>
> I don't have a solution to suggest nor an agenda. It is impossible to
> force some people to show good taste.
>
> As we know, the internet has attracted large numbers of new users
> and penetrated all socio-economic strata. QRP-L being one of the
> more Populist mailing lists seems to have penetrated most.
>
> It is my observation that those of us in the USA seem to be the worst
> offenders of mailing list decorum. Personally, I have un-subscribed
> from almost every amateur radio mailing list in the past couple years
> and find that I have more time to operate, or read, or experiment, etc.
> I don't think I have missed much.
>
> I do still subscribe to a couple non-amateur radio related mailing lists
> and they are generally a pleasure.
>
> Someone recently alluded to freedom of speech issues. Let me just
> say that freedom of speech must be defended at all costs on the "internet"
> and everywhere else. BUT, using "private" facilities and equipment with
> posted acceptable use policies is a privilege granted by the "owners" of
> such facilities (mailing list servers, etc).
>
> Any provider of internet services can impose acceptable use policies.
> Likewise, anybody and their grandmother can go buy THEIR OWN
> server if they wish.
>
> Again, it is impossible to force some people to show good taste.
> It is not just a couple people who offend me, either. It is all of
> those who find it necessary to beat the bloody dead horse over
> and over and over and over...
>
> Call it entropy, or just plain "the masses are asses."
>
> Bon Voyage
>
>
> --
> "All of human history, adequately examined, in the end
> is the history of better tools." Ernst Kapp, 1877

> --
> <mailto:k7on@earthlink.net> >or< <http://www.qsl.net/k7on/>
> --
>
>

Date: Fri, 13 Jul 2001 21:23:00 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: fxtech@earthlink.net, qrp-1@Lehigh.EDU
Subject: [102527] Re: Phase noise DDS Vs. Analog VFO
Message-ID: <F184IWD03hRDT6Z3Lst000018a0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>I've been playing around with an Analog Devices AD9835 DDS lately to use as
>a general purpose VFO and have a couple of questions concerning phase
>noise.
>First, how do I accurately measure it, and secondly how does it compare
>with
>a more traditional analog VFO in respects to phase noise. I know that
>several of you have used this chip in various projects, so I was wondering
>if anyone had some data on this. Thanks in advance...

Because an oscillator always needs a certain amount of inherent noise to start oscillating, I would think that the VFO would always be worse than the DDS in terms of phase noise. DDSs have their own problems, of course, like spurs and jitter.

The Handbook (p. 14.12) has a short piece on measuring phase noise by converting the signal to audio. You do need some special equipment which is probably rather expensive, like an HP8640B signal generator and an LF spectrum analyser. For the short time for which you'd need them, you could probably hire the equipment. It looks quite straightforward.

There is also a reference to a couple of QST articles describing how it is measured in the ARRL lab.

73, Leon

--
Leon Heller, G1HSM
Tel: +44 1327 359058
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Fri, 13 Jul 2001 22:18:12 +0100
From: "Pete Milsom" <pete.milsom@virgin.net>
To: "low power usa" <qrp-1@lehigh.edu>
Subject: [102528] MFJ Cub
Message-ID: <008301c10be2\$1de759a0\$0128fc3e@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All

Does anyone in the UK have a 20m Cub they wish to sell, if so
please drop me an e-mail with details.

73 de Pete

Date: Fri, 13 Jul 2001 21:37:58 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [102529] LMX2305 prototyping adapter
Message-ID: <F223ieLYCT4aJ6pkNzP00001dd8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'll be getting some prototyping adapters made for the Nat. Semi. LMX2305
PLL synthesiser chip. They will be similar to the ones I had made for the
AD9850, but with solder mask. The LMX2305 isn't quite as awkward as the
AD9850 (0.65 mm lead spacing instead of 0.5 mm) but still quite tricky to
use for ugly construction.

The LMX2305 is good for 550 MHz, and is a very low power device (4 mA at
2.75 V).

If anyone is interested, please get in touch.

73, Leon

--

Leon Heller, G1HSM
Tel: +44 1327 359058

Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Fri, 13 Jul 2001 17:39:39 -0400
From: Cameron Bailey <kt3a@juno.com>
To: jamesd1@flash.net
Cc: qrp-1@lehigh.edu
Subject: [102530] Re: The Radio Shack DSP
Message-ID: <20010713.174415.-4058347.2.kt3a@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got one at a hamfest for 20 bux.
At that price, it is worth the value as an audio amp for the rigs without
an amp. It does include the speaker too.
I don't use it too much for CW, as the IF filters in my rigs work good
enough. I have used it for QRM on SSB.
Which SSB is about .05% of my QSOs. ;)

kt3a

Date: Fri, 13 Jul 2001 15:15:51 -0700
From: Beth Gardner / Dan Maguire <BethDan@pacbell.net>
To: qrp-1@Lehigh.EDU
Subject: [102531] Re: OT - MMana
Message-ID: <3B4F7317.27B2@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Bill Jones wrote:

> That's another mystery I've yet to solve. I have been looking for a way to
> see continuous SWR curves over a wide range of frequencies (for a multi-band
> antenna, of course) but haven't figured it out yet. Anybody else?

Here's "a" solution, but it may not be "the" solution for everyone
because of the limitations listed below. The XLZIZL package (see
<http://www.qsl.net/ac6la/>) can read the feedpoint impedance data files
produced by EZNEC, NEC-Win Plus, or any of the NEC2D packages available

on the net (for examples, see <http://www.qsl.net/wb6tpu/swindex.html>). Typically you would use the "Frequency Sweep" (or similarly named) function of your antenna modeling program to produce a set of Freq versus feedpoint Z values. Then a few mouse clicks can transfer that data to XLZIZL, and the RXZ-SWR chart in XLZIZL would show you the feedpoint SWR across your frequency sweep range. (Of course, basic SWR plots are a built-in part of EZNEC and NEC-Win Plus already.) You can also define a feed system network in XLZIZL, which can be as simple as a fixed length of transmission line, and then see the SWR (and other) charts at the input end of the feedline.

Now for the limitations: 1) You need to have Excel 97 or later installed in order to run XLZIZL. 2) XLZIZL can not *automatically* read the output file (if such a thing exists) produced by MMANA. However, if MMANA can produce any kind of output file that contains frequency and feedpoint impedance data points, it should certainly be possible to use the Excel "text wizard" or at least do a cut-n-paste operation to get that data into XLZIZL.

Since I'm not familiar with MMANA I don't know how to produce a "frequency sweep" type file (and maybe that is the real problem), but if such a thing can be produced I'd certainly be willing to help turn it into an SWR plot. If we put our heads together I bet we can solve this problem! Contact me offline if you like.

73,
Dan AC6LA

Date: Fri, 13 Jul 2001 18:17:48 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [102532] #59 9G1MR.....700 MW !!!!
Message-ID: <003101c10be9\$a6341080\$05514342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp@yahoogroups.com>
Subject: #599G1MR.....700 MW !!!!
Date: Friday, July 13, 2001 6:16 PM

Hello All !!!!

Just got 9G1MR in the mail !!!

#59 !!!! for mw DXCC !!!!

73s

George , N2JNZ / QRPp

Date: Fri, 13 Jul 2001 17:22:03 -0500
From: "George, W5YR" <w5yr@att.net>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102533] Re: OT - MMana
Message-ID: <3B4F748B.4ECE29D4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use the AEA/Tempo CIA/HF analyzer. It plots SWR, R, X, Z, angle, and a lot of others vs a selected frequency range.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Bill Jones wrote:

>

> That's another mystery I've yet to solve. I have been looking for a way to
> see continuous SWR curves over a wide range of frequencies (for a multi-band
> antenna, of course) but haven't figured it out yet. Anybody else?

Date: Fri, 13 Jul 2001 15:42:20 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: kt3a@juno.com, elecraft@qth.net
Cc: qrp-l@Lehigh.EDU
Subject: [102534] Re: Kool K1/KBT1
Message-ID: <F134LsxpTljB0h8s4KW0000015c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hello...thanks for the note.

The KBT1 is a great option and is easy to construct...however, I found the manual a little vague regarding the placement of two foam spacers. Wayne says he will be changing the manual to clarify their placement. Specifically, they go 'on the side' of the aluminum KBT1 assembly, not the bottom. I never was good at logic problems...

Because I put the spacers in the wrong spot, the AA battery holder was an overly tight fit causing the aluminum KBT1 assembly to slight bend inwards. This, in turn, caused the on/off switch to no longer line up with the switch cut-out on the top lid!

I am using 8 AA 1600mAh NiMH batteries. These are generic '4 batteries for \$8' available at our local Radio Shack store. These are NOT Radio Shack brand batteries, but brand X ones called SunPak. I got approx 8 hours use out of the first charge but I didn't do much transmitting, maybe 15% transmit duty.

I sure would like to squeeze in two more AA's somewhere for extra boost...maybe I could disguise them as carrying handles... ;)

73 John K7FD, K1/78/shack K1/52/field

>Been thinking of getting this option (built in battery with cover). I
>have the ATU only.
>What were the bugaboos you mentioned? What batteries did you install?
>How long do they last?
>Thanks for any feedback, 72, kt3a

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Date: Fri, 13 Jul 2001 18:25:51 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: kd7s@psnw.com
Cc: qrp-l@lehigh.edu
Subject: [102535] Re: OT - MMana
Message-ID: <200107132257.f6DMv7Z29896@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> That's another mystery I've yet to solve. I have been looking for a way to

> see continuous SWR curves over a wide range of frequencies (for a multi-band
> antenna, of course) but haven't figured it out yet. Anybody else?
>

Bill,

I think you'd need a computer to plot it. Isn't there an AEA device with a LCD panel that does this - rather expensive though. Our friends at NJQRP were working on a device that would sweep an antenna over a wide frequency and plot the SWR on a computer screen. Believe it became too complicated and expensive to produce however.

72,

Steve, KD1JV in the White Mountains of New Hampshire

"Melt Solder"

<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 13 Jul 2001 18:25:53 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: fxttech@earthlink.net

Cc: qrp-l@lehigh.edu

Subject: [102536] Re: Phase noise DDS Vs. Analog VFO

Message-ID: <200107132257.f6DMvDZ29936@wolf.ncia.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

> I've been playing around with an Analog Devices AD9835 DDS lately to use as
> a general purpose VFO and have a couple of questions concerning phase noise.

Trev,

Phase noise in a DDS is not much of an issue. Basically, it's dependant on the quality of the reference clock's jitter. Even inexpensive clock oscillators have pretty low jitter and it's further reduced by the clock dividing action of the DDS synthesis. Therefore, a DDS chip actually improves the phase noise of an xtal oscillator, and gets better as the difference between the clock and DDS output frequency gets bigger.

However, while the phase noise of a DDS chip can be outstanding, the spurs produced as a result of the synthesis process can be an issue, particularly when being used as the LO of a high quality receiver. Personally, I'm willing to trade off the spurs in favor the stability and wide tuning range a DDS VFO has to offer.

As for the original question as to how to measure phase noise, that's something I need to look into also, as it is a concern with the VHF

VCO I'm playing with as a potential LO for the 2M qrp rig. Bascily,
I'm planning on mixing the VCO down to audio (in two steps) and
looking at the resulting output with a PC based audio spectrometer.
Say, anyone have the URL for one of these handy?

72,

Steve, KD1JV in the White Mountains of New Hampshire

"Melt Solder"

<http://www.qsl.net/kd1jv/index.html>

End of QRP-L Digest 2249
